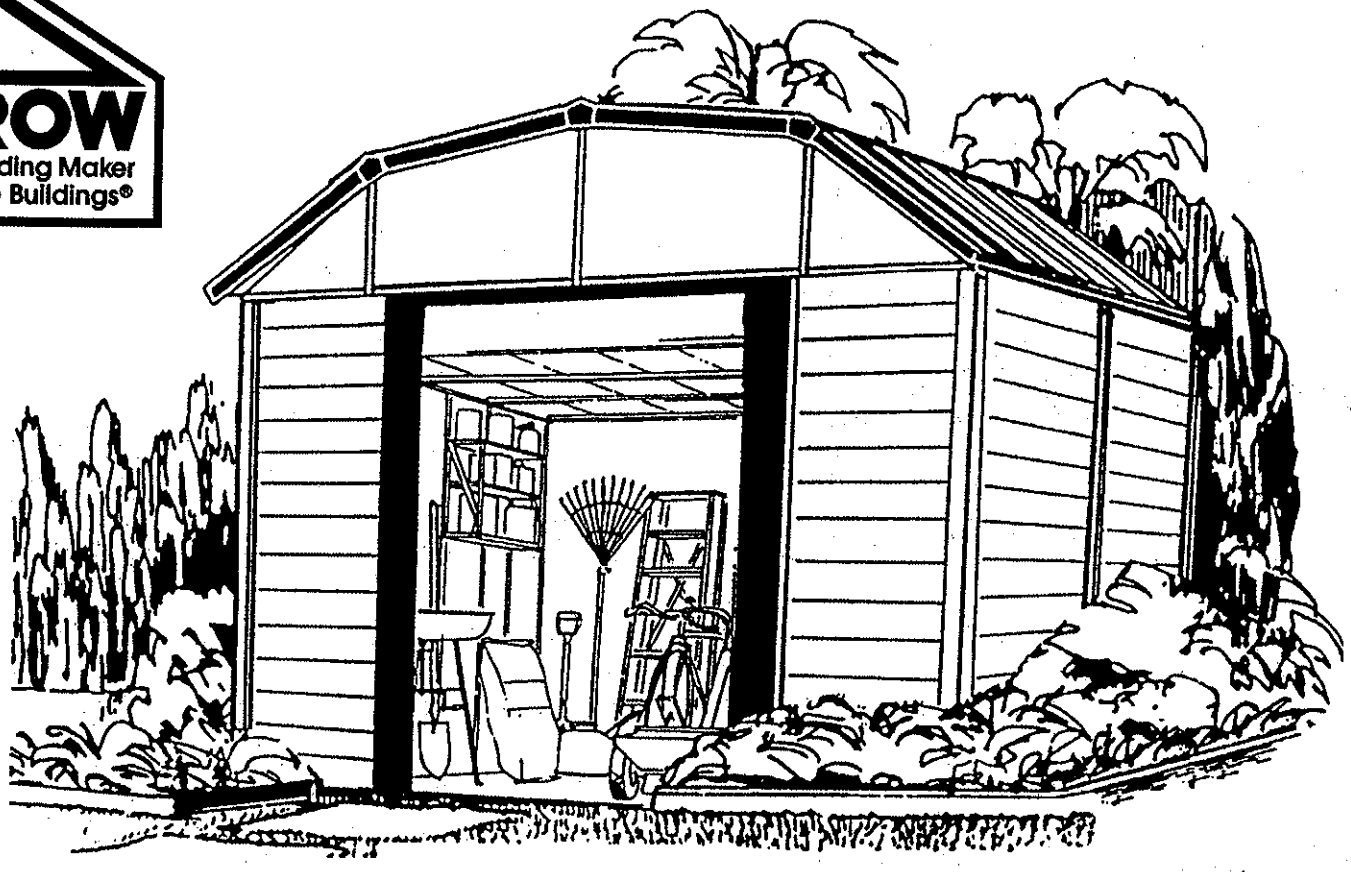
Owner's Manual & Assembly Instructions

PS01

Model No. RH108-A ☐ 697.68614 ☐

ARROW
World's Leading Maker of Storage Buildings®



Missing Parts, Questions on Assembly?
Call: 1-800-851-1085 or
assist@arrowsheds.com
Do not return to dealer, they are not equipped to handle your requests.

712170211

Storage Area:	74 Sq. Ft.	544 Cu. Ft.
	6,9 m²	15,4 m³

CAUTION: SOME PARTS HAVE SHARP EDGES. CARE MUST BE TAKEN WHEN HANDLING THE VARIOUS PIECES TO AVOID A MISHAP. FOR SAFETY SAKE, PLEASE READ SAFETY INFORMATION PROVIDED IN THIS MANUAL BEFORE BEGINNING CONSTRUCTION. WEAR GLOVES WHEN HANDLING METAL PARTS.

BUILDING DIMENSIONS * Size rounded off to the nearest foot

*Approx. Size	Base Size	Exterior Dimensions (Roof Edge to Roof Edge) Width	Depth	Height	Interior Dimensions (Wall to Wall) Width	Depth	Height	Door Opening Width	Height
10' x 8'	121" x 92 3/4"	123 1/4"	95 1/4"	97 1/8"	118 1/4"	90"	95 7/8"	55 1/2"	69 1/4"
3,0 m x 2,3 m	307,3 cm x 235,6 cm	313,1 cm	241,9 cm	246,7 cm	300,4 cm	228,6 cm	243,5 cm	141,0cm	175,9 cm

BEFORE YOU BEGIN....

A03

Owner's Manual

Before beginning construction, check local building codes regarding footings, location and other requirements. Study and understand this owner's manual.
Important information and helpful tips will make your construction easier and more enjoyable.

Assembly Instructions: Instructions are supplied in this manual and contain all appropriate information for your building model. Review all instructions before you begin, and during assembly, follow the step sequence carefully for successful results.

Flooring and Anchoring: Your storage building must be anchored to prevent wind damage. A base is necessary to construct a square and level building. Anchoring and base materials are not included with your building. We recommend the combined use of an **Arrow Floor Frame Kit** and an **Arrow Anchoring Kit** as an effective method of securing your building to the ground (Available at your local dealer, Arrow's website arrowsheds.com or call Arrow's Customer Service department 1-800-851-1085) or you may construct a base and anchoring system of your choice. Your assembly instructions provide information on a few methods commonly used to secure and level a storage building.

Parts and Parts List: Check to be sure that you have all the necessary parts for your building.

- All part numbers can be found on the parts. All of these numbers (before the -) must agree with the numbers on the Parts List page.

- If you find that a part is missing, include the model number of your building and contact:

Arrow Shed, LLC
1101 North 4th Street
Customer Service Department
Breese, Illinois 62230

1-800-851-1085 or assist@arrowsheds.com

- Separate contents of the carton by the part number while reviewing parts list. The first few steps show how to join related parts to make larger sub assemblies which will be used later.

- Familiarize yourself with the hardware and fasteners for easier use during construction. These are packaged within the carton. Note that extra fasteners have been supplied for your convenience.

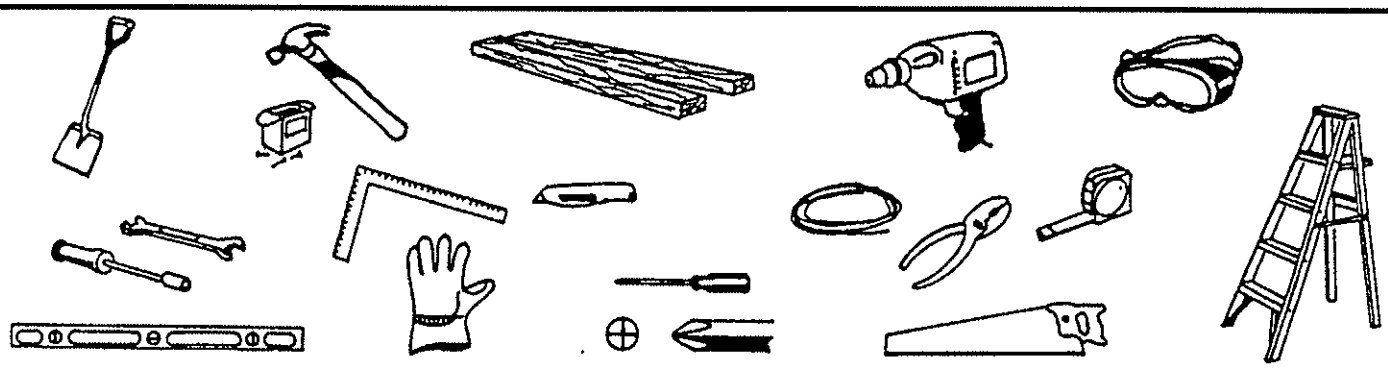
PLAN AHEAD....

A04

Watch the Weather: Be sure the day you select to install your building is dry and calm. Do not attempt to assemble your building on a windy day. Be careful on wet or muddy ground.

Teamwork: Whenever possible, two or more people should work together to assemble your building. One person can position parts or panels while the other is able to handle the fasteners and the tools.

Tools and Materials: These are some basic tools and materials you will need for the construction of your building. Decide which method of anchoring and the type of base you wish to use in order to form a complete list of the materials you will need.



Required
- Eye Goggles
- No. 2 Phillips Screwdriver (With Hardened Magnetic Tip)

Note: A power screwdriver or variable speed drill with Phillips-tip attachment can speed assembly by as much as 40%.

Required
- Work Gloves
- Step Ladder
- Utility Knife / Scissors
- Pliers
- Carpenter's Level
- Tape Measure

Optional Time-Savers
- Wrench / Nut Driver
- Electric / Cordless Drill
- Square
- String (for squaring frame)

Base Preparation
- Hammer and Nails
- Spade or Shovel
- Hand Saw / Power Saw
- Lumber and/or Concrete

Selecting and Preparing Your Site: Before assembly, you will want to decide on a location for your building. The best location is a level area with good drainage.

- Allow enough working space for ease of moving parts into position during assembly. Be sure there will be enough space at entrance for doors to open fully and enough space around the building to be able to fasten the panel screws from the outside.

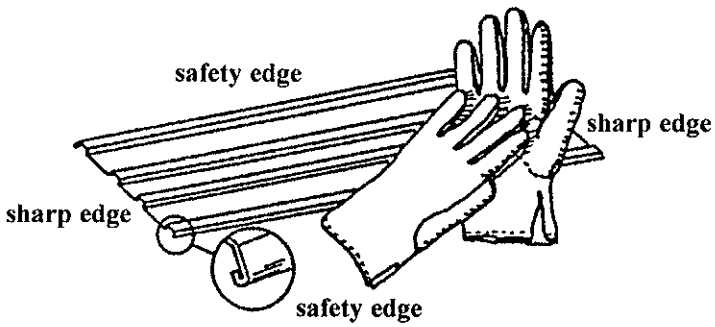
- Before you begin the first steps in assembling your parts, a base should be constructed and an anchoring system should be ready to use.

SAFETY FIRST....

A05

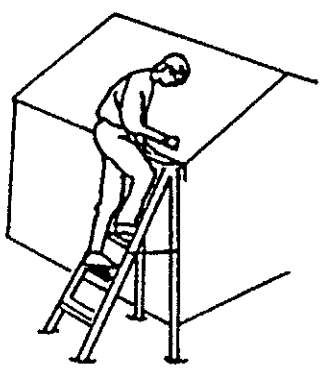
Safety precautions are important to follow throughout the construction of your building.

•Care must be taken when handling various pieces of your building since some contain sharp edges. Please wear work gloves, eye protection and long sleeves when assembling or performing any maintenance on your building.

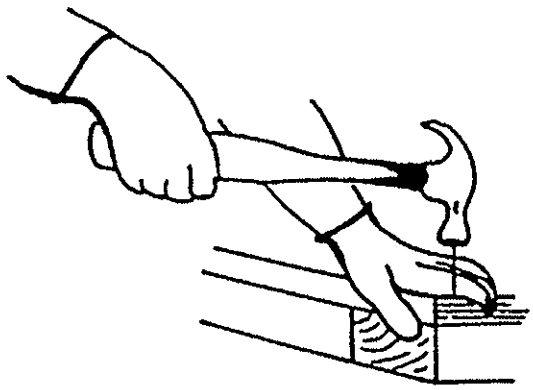


•Keep children and pets away from worksite to avoid distractions and any accidents which may occur.

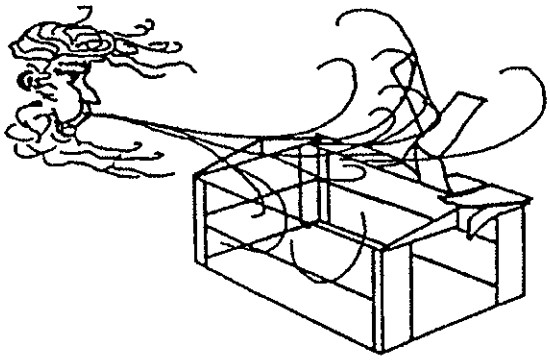
•Never concentrate your total weight on the roof of the building. When using a step ladder make sure that it is fully open and on even ground before climbing on it.



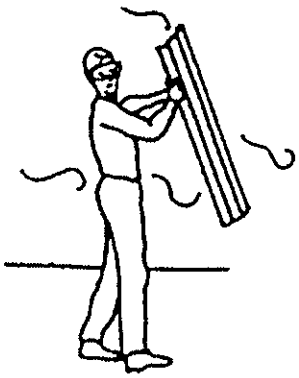
•Practice caution with the tools being used in the assembly of this building. Be familiar with the operation of all power tools.



•Do not attempt to assemble the building if parts are missing because any building left partially assembled may be seriously damaged by light winds. Call 1-800-851-1085 or assist@arrowsheds.com



•Do not attempt to assemble the building on a windy day, because the large panels acting as a "sail", can be whipped about by the wind making construction difficult and unsafe.



CARE & MAINTENANCE....

A06

Finish: For long lasting finish, periodically clean and wax the exterior surface. Touch-up scratches as soon as you notice them on your unit. Immediately clean the area with a wire brush; wash it and apply touch-up paint per manufacturer's recommendation.

Roof: Keep roof clear of leaves and snow with long handled, soft-bristled broom. Heavy amounts of snow on roof can damage building making it unsafe to enter. In snow country, Roof Strengthening Kits are available for most Arrow Buildings for added protection against heavy snow accumulation. Contact **Arrow** as outlined on the Ordering Accessories page to place an order.

Doors: Always keep the door tracks clear of dirt and other debris that prevent them from sliding easily. Lubricate door track annually with furniture polish or silicone spray. Keep doors closed and locked to prevent wind damage.

Fasteners: Use all washers supplied to protect against weather infiltration and to protect the metal from being scratched by screws. Regularly check your building for loose screws, bolts, nuts, etc. and retighten them as necessary.

Moisture: A plastic sheet (vapor barrier) placed under the entire floor area with good ventilation will reduce condensation.

Other Tips....

- Wash off inked part numbers on coated panels with soap and water.
- Silicone caulking may be used for watertight seals throughout the building.

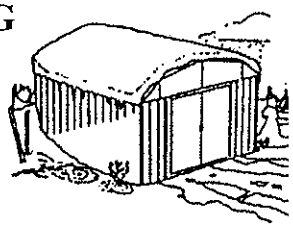
Do not store swimming pool chemicals in your building. Combustibles and corrosives must be stored in air tight approved containers.

Keep this Owner's Manual and Assembly Instructions for future reference.

ACCESSORIES....

A07

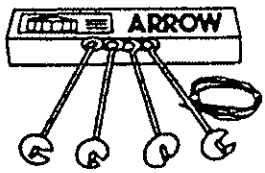
ROOF STRENGTHENING (heavy snow load) KITS



Extra roof beams and gable braces designed for added protection against heavy snow accumulation. Increases the strength of your roof by 50%.

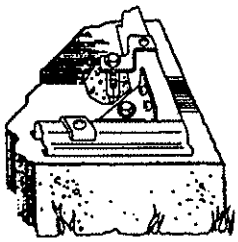
ANCHOR KITS

Model No. AK4



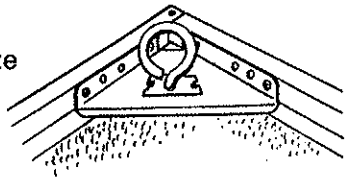
Anchor Kit contains heavy-duty steel augers, 60' (18 m) of steel cable and 4 cable clamps. No digging or concrete pouring, just insert cable under roof, over roof beams, into augers and twist augers into the ground. For buildings larger than 10'x9' (3,0 m x 2,6 m), use 2 kits.

Model No. AK100



New concrete anchor system permits anchoring any size Arrow building directly to a concrete slab. Each kit contains heavy-duty, hot-dipped galvanized steel corner gussets and perimeter clips which fit over the floor frame and lag bolt into a concrete slab. Full assembly instructions and a 1/4" masonary drill bit are included.

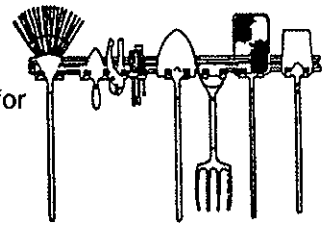
Model No. AK600



Earth Anchor Kit anchors any size Arrow building to the ground. Each kit contains heavy duty, hot-dipped galvanized steel corner gussets and 4 earth anchors.

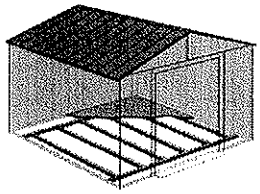
TOOL HANGING RACK

Model No. TH100



The perfect tool organizer. Twin 25 1/2" (64,8 cm) steel channels plus five heavy-duty snap-in hangers and a small tool holder for screwdrivers, pliers, etc. Holders slide along channel for fully adjustable spacing. Great for garage, basement, or the back of any door. Fits all Arrow storage buildings.

FLOOR FRAME KITS

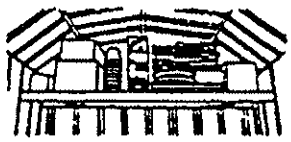


MODELS FB47410, FB5465, FB106-A
FB109-A and FB1014-A

A simple new floor frame system made of heavy-duty, hot-dipped galvanized steel. Use as base for plywood, sand or stone.

ATTIC KIT / WORKBENCH KIT

Model No. AT101

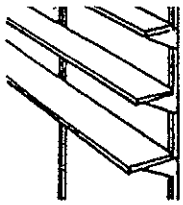


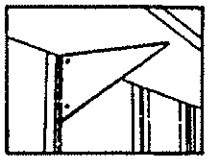
Heavy-duty galvanized steel bars that fit all 10' (3,0 m) wide Arrow buildings. They install quickly and easily to help organize space and create more useable space as an attic or workbench. Will hold up to 250 lbs. (113 kg) evenly distributed.

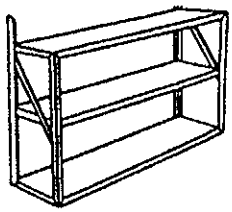
Some drilling required to fit buildings without mid-wall bracing.

SHELF UNITS

Heavy-duty, galvanized steel shelf units help organize storage space. They easily mount on the wall or sit on the floor. Fits all Arrow buildings.*







Model No. SS404
- Makes 8" to 12" (20,3-30,5 cm) wide shelves in any length.
- Brackets, braces, hardware included. Lumber is not included.

Model No. SS900-A
- Grey color
- 3 shelves
- Holds up to 85 lbs. (38 kg) (even weight distribution)

* Some drilling required to fit buildings without mid-wall bracing.

ORDERING ACCESSORIES....

A08 05/11

We recommend that you purchase accessory items from your local storage building dealer whenever possible; however, because the full line of accessories is not always available from all dealers, **Arrow** is offering them to you on a direct basis.

There are two ways to order Arrow Storage Building Accessories:

Option 1	Option 2
Accessories can be purchased through **arrowsheds.com**	Order accessories by telephone using your MasterCard or Visa credit card. Call toll free **1-800-851-1085** (Customer Service). Allow 2 weeks for delivery.

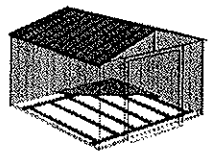
SPECIAL NOTE:

If your accessory is shipped via truck line a day time phone number is required to arrange delivery. If no one is available to sign for the delivery, you may be subject to a re-delivery charge assessed by the carrier.

Base

A09

The Base For Your Building



OPTION 1: ARROW FLOOR FRAME KIT: (Order No. FB109-A or 68385-A)

Arrow has the best base for your building in this simple kit. It keeps stored items above the ground.
This kit should be used with one of the following:
A. To support a plywood deck **B.** To be filled with sand. We recommend the combined use of
1. an **ARROW FLOOR FRAME KIT** and **2.** an **ARROW ANCHORING KIT** as an effective method of securing the building to the ground.
Allow 1 - 2 hours for construction.

OPTION 2: Wood Platform

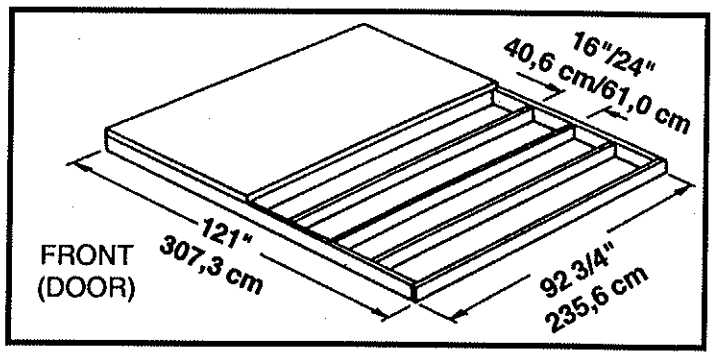
If you decide to build your own base, be sure to select the appropriate materials.
These are the recommended materials for your base:

- 2 x 4's (38 mm x 89 mm) Pressure Treated Lumber
- 5/8" (15,5 mm) 4 x 8 (1220 mm x 2440 mm) Plywood-exterior grade **NOTE:** Pressure Treated Lumber must not be used where it will make contact with your storage building. The properties of Pressure Treated Lumber will cause accelerated corrosion.
  If Pressure Treated Lumber comes in contact with your storage building your warranty will be voided.
- 10 & 4 penny Galvanized Nails ● Concrete Blocks (optional)

The platform should be level and flat (free of bumps, ridges etc.) to provide good support for the building. The necessary materials may be obtained from your local lumber yard.

To construct the base follow instructions and diagram.
Construct frame (using 10 penny galvanized nails)
Measure 16"/24" (40,6 cm/61,0 cm) sections to construct inside frame (see diagram)
Secure plywood to frame (using 4 penny galvanized nails)

Allow 6 - 7 hours for construction.



Note: Platform/Slab will extend 9/16" (1,4 cm) beyond floor frame on all four sides. Seal this 9/16" (1,4 cm) of wood with a roofing cement (not included), or bevel this 9/16" (1,4 cm) of concrete when pouring, for good water drainage.

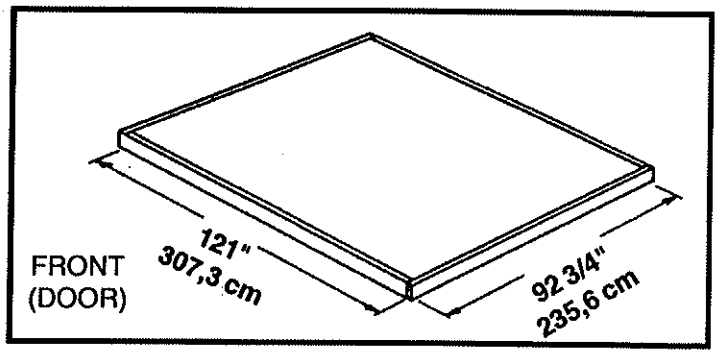
OPTION 3: Concrete Slab

The slab should be at least 4" (10,2 cm) thick. It must be level and flat to provide good support for the frame.
The following are the recommended materials for your base.

- 1 x 4's (19 mm x 89 mm) (will be removed once the concrete cures)
- Concrete ● Sheet of 6 mil plastic
- We recommend for a proper strength concrete to use a mix of:
  1 part cement ● 3 parts pea sized gravel ● 2 1/2 parts clean sand

Prepare the Site/Construct a Base

1. Dig a square, 6" (15,2 cm) deep into the ground (remove grass).
2. Fill up to 4" (10,2 cm) in the square with gravel and tamp firm.
3. Cover gravel with a sheet of 6 mil plastic.
4. Construct a wood frame using four planks of 1x4 (19 mm x 89 mm) lumber.
5. Pour in concrete to fill in the hole and the frame giving a total of 4" (10,2 cm) thick concrete. Be sure surface is level.



Note: Finished Slab dimensions, with lumber removed.

Allow 3 - 5 hours for construction and a week for concrete curing time.

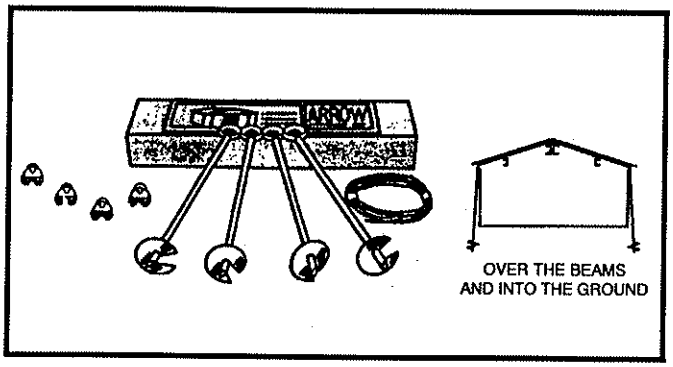
Anchoring

A10

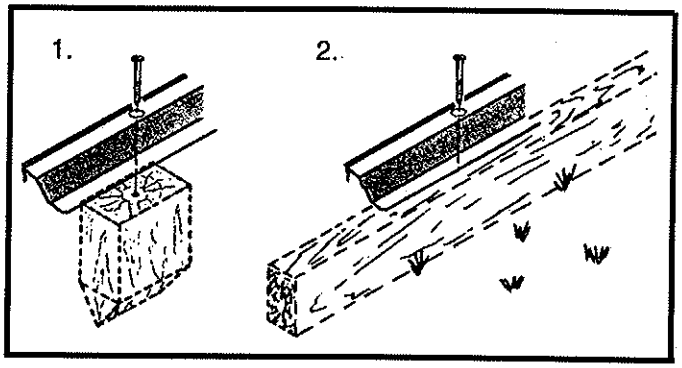
Anchoring Down The Building

It is important that the entire floor frame be anchored after the building is erected.
Below are recommended ways of anchoring.

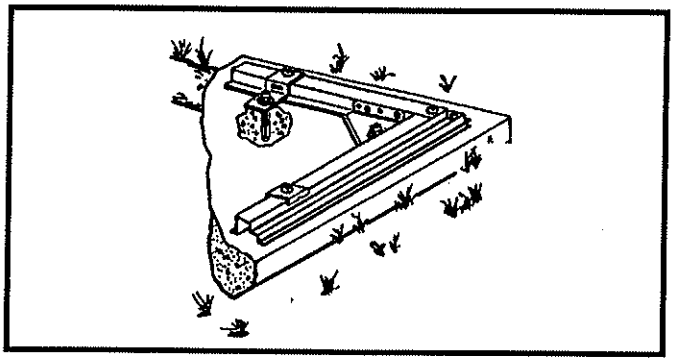
Arrow Anchoring Kit: (Model No. AK4 or 60298)
Recommended for use with **any** suggested **base.**
Contains: 4 Anchors with Cable, Clamps and installation instruction.



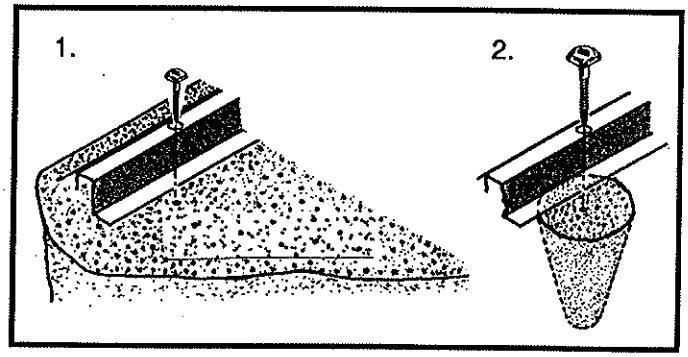
Anchoring into Wood/Post:
Use 1/4" (6 mm) Wood Screws. There are 1/4" (6 mm) dia. holes provided in the frames for proper anchoring.



Arrow Anchoring Kit: (Model No. AK100 or 68383)
Recommended for use with the **concrete** base.
Contains: Corner gussets, perimeter clips, hardware, 1/4" masonary drill bit and installation instruction.



Anchoring into Concrete:
1. For poured concrete slab or footing or patio blocks: Use 1/4" x 2" (6 mm x 51 mm) Lag Screws.
2. For Anchor Post of Concrete poured after building is erected: Use 1/4" x 6" (6 mm x 152 mm) Lag Screws.



Hardware

PS11

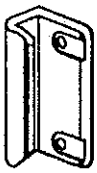
Remove from bag of screws and save for the last step

65103
#8-32 Hex Nut (208)

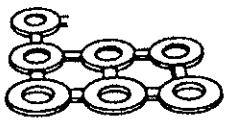
65900A
#10Bx1/2" Black Screw (8)
(Packed with Screws)

65923
#8-32x3/8" Bolt (208)

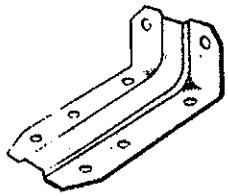
65004
#8Ax5/16" Screw (376)



66045
Handle (2)

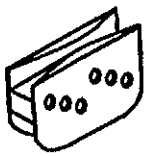


66646
Washer (232)
(6 sheets of 40)

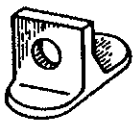


6228
Track Support (2)

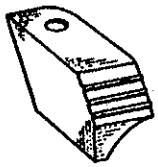
67468
Peak Cap (6)
(Arrow Logo)



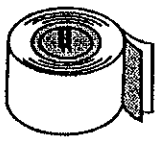
66769
Door Slide (4)



66382
Lower Door Guide (4)



66183
Roof Trim Cap
(2 right & 2 left)



67545
Weather Stripping (1)

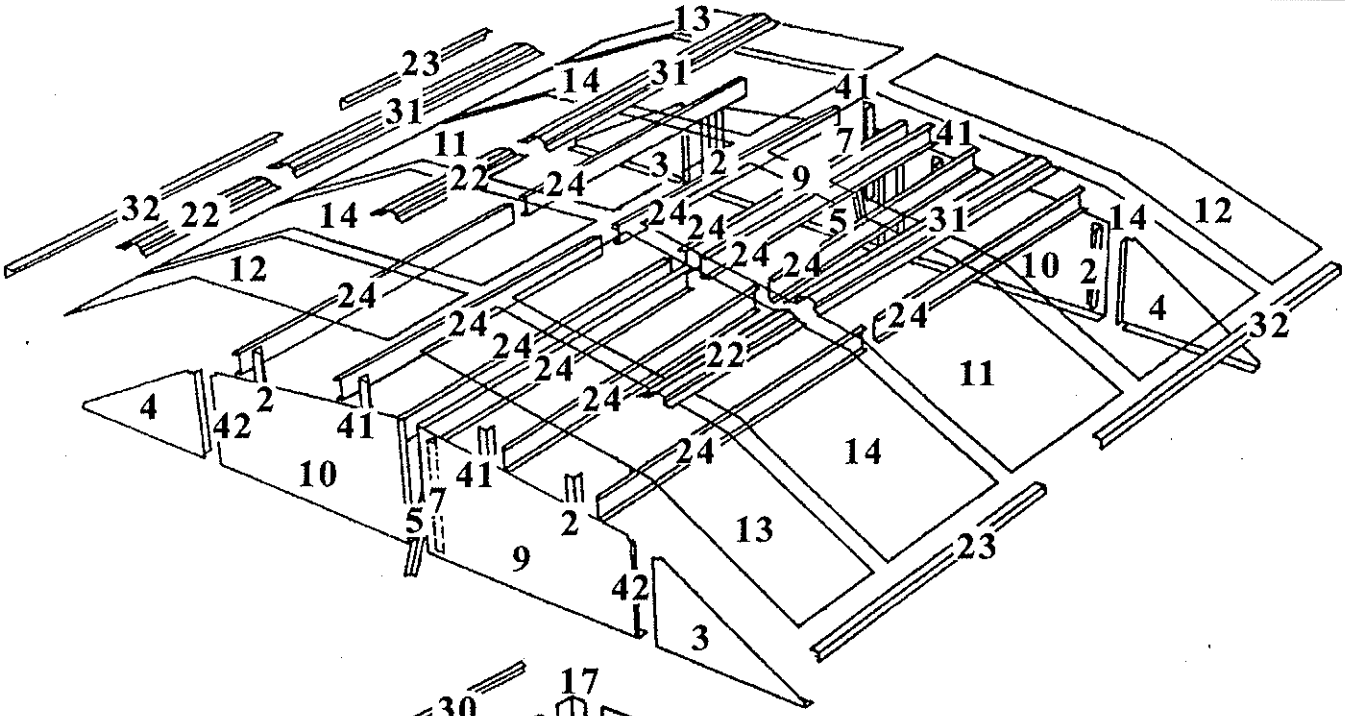
Parts List

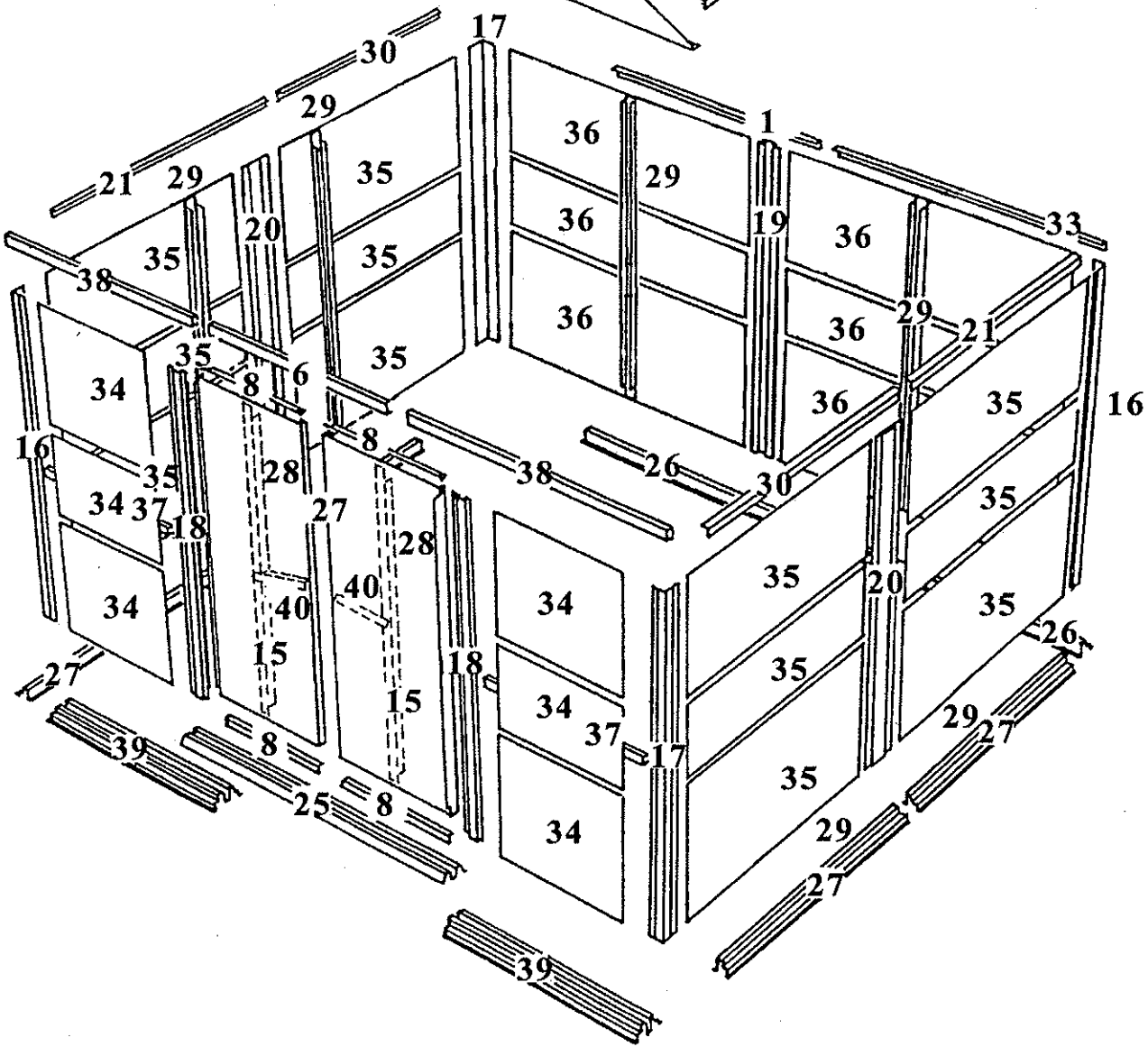
PS12 new

Assembly Key No.	Part Number	Part Description	Quantity in Carton	Check List
1	9338	Rear Wall Angle, Right	1	
2	6085	Roof Beam Bracket	4	
3	6114	Small Right Gable	2	
4	6115	Small Left Gable	2	
5	6227	Roof Beam Brace	2	
6	6403	Door Track Splice	1	
7	6636	Gable Brace	2	
8	10497	Horizontal Door Brace	4	
9	7858	Large Right Gable	2	
10	7859	Large Left Gable	2	
11	7861	Roof Panel	2	
12	9798	Right Roof Panel	2	
13	9797	Left Roof Panel	2	
14	7954	Roof Panel	4	
15	6301	Vertical Door Brace	2	
16	5285	Left Corner Post	2	
17	5284	Right Corner Post	2	
18	7311	Door Jamb	2	
19	5287	Rear Splice Post	1	
20	5283	Side Splice Post	2	
21	9340	Side Wall Angle, Right	2	
22	8486	Ridge Cap	3	
23	8485	Side Roof Trim	2	
24	10470	Roof Beam	12	
25	8934	Ramp	1	
26	8936	Rear Floor Frame	2	
27	9203	Side Floor Frame	4	
28	10472	Right and Left Doors	2	
29	9344	Stud	6	
30	9341	Side Wall Angle, Left	2	
31	8840	Ridge Cap	3	
32	8836	Side Roof Trim	2	
33	9339	Rear Wall Angle, Left	1	
34	8737	Front Siding	6	
35	8584	Side Siding	12	
36	8736	Rear Siding	6	
37	9365	Front Wall Channel	2	
38	9366	Door Track	2	
39	9367	Front Floor Frame	2	
40	3719	Door Handle Brace	2	
41	7860	Mid Gable Brace	4	
42	67521	Edge Trim	2	

Assembly by Key No.

PS13 new





Step 1

G14

● Parts Needed For ●

Floor Frame Assemblies

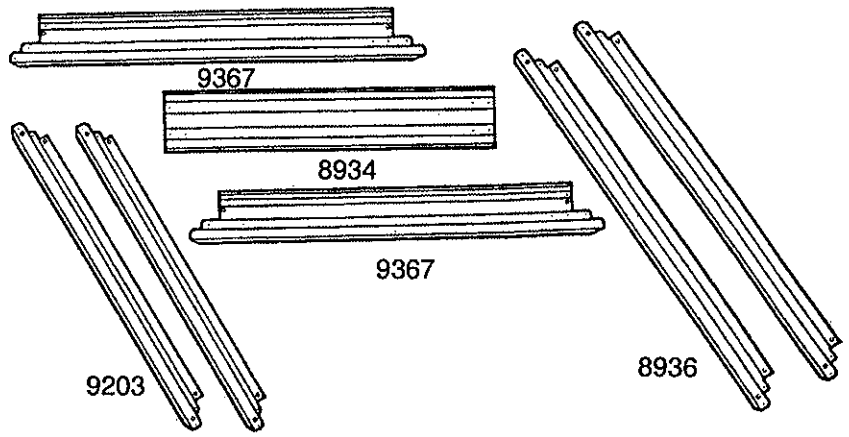
- 8934 Ramp (1)
- 9367 Front Floor Frame (2)
- 8936 Rear Floor Frame (2)
- 9203 Side Floor Frame (4)

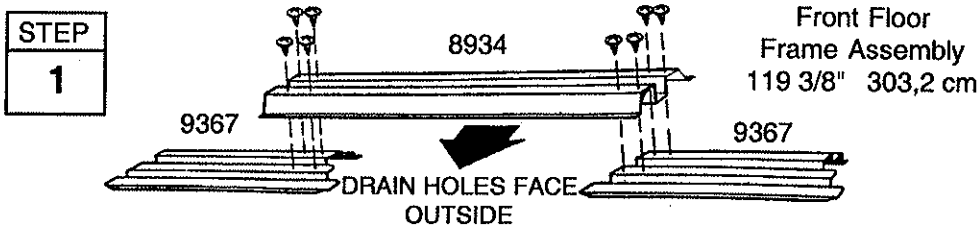
The front floor frame is made up of three pieces. The side floor frames and the rear floor frame are made up of two pieces. The holes in these pieces will align when the pieces are positioned with correct amount of overlap. The illustrations below show the proper overall length for the sides, rear and front. Proceed as follows:

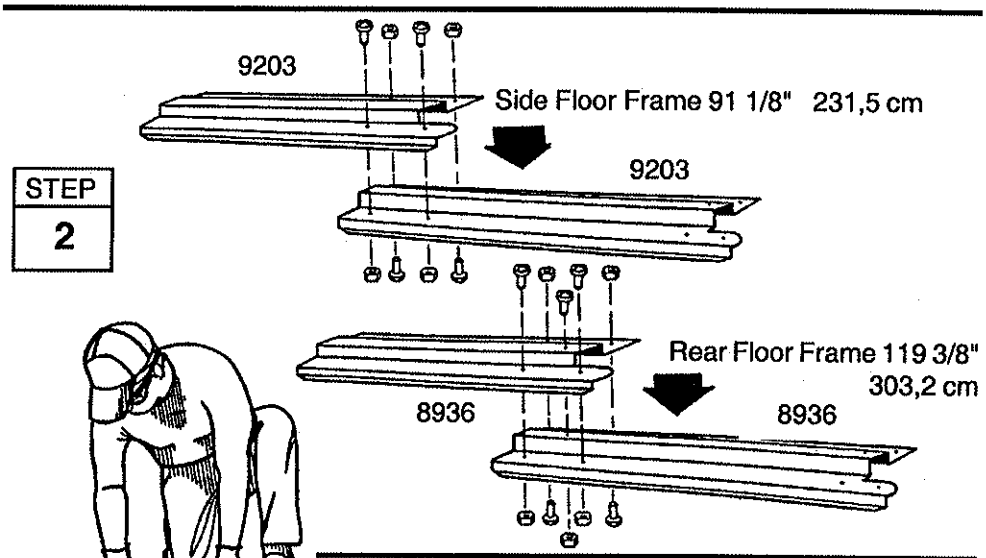
1 Place the **front floor frames** as shown. Center the **ramp,** with drain holes facing outside, on top of the two front floor frames. Join the frames by inserting eight screws.

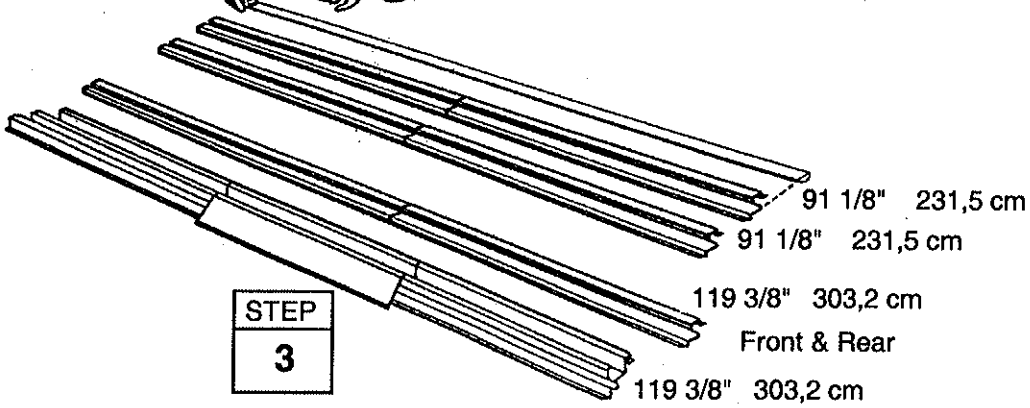
2 Overlap the **side floor frames** and the **rear floor frames** as shown. The holes in these pieces will align when the pieces are positioned with correct amount of overlap. See the illustrations below for the proper overall length of the side and rear floor frames. Join the frames by inserting four/five bolts into each frame set as shown.

3 Double check the length of each and set these pieces aside for later use.









Step 2

Y15

● Parts Needed For ●
Frame Assemblies

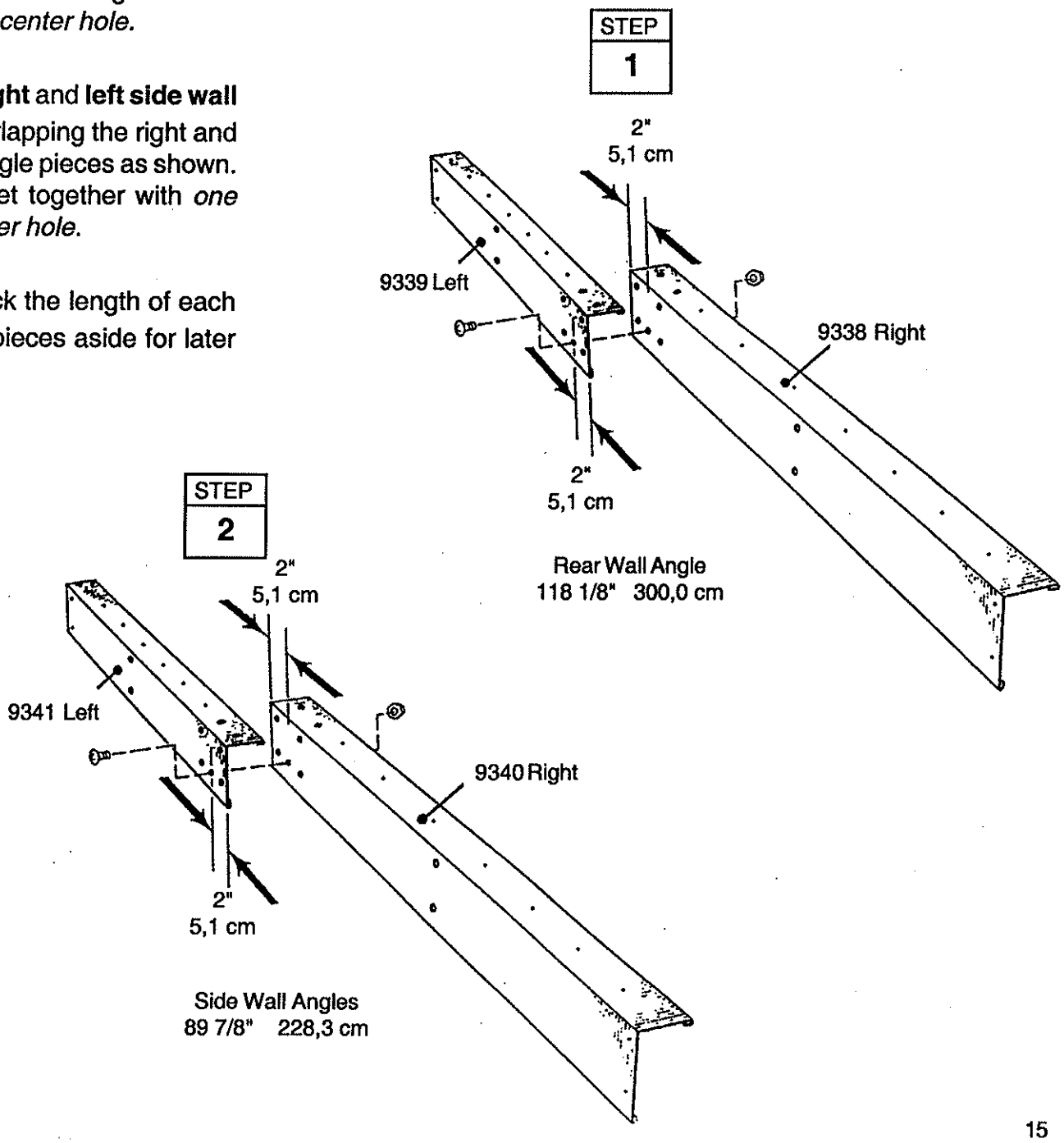
- **9338 Right Rear Wall Angle (1)**
- **9339 Left Rear Wall Angle (1)**
- **9340 Right Side Wall Angle (2)**
- **9341 Left Side Wall Angle (2)**

The main frame pieces reinforce the walls. These pieces will later be installed at the top edge of the side walls and the rear wall. Proceed as follows:

1 Overlap the **right** and **left rear wall angle** pieces as shown in the figure and fasten them together with *one bolt in the center hole.*

2 Make two **right** and **left side wall angles** by overlapping the right and left side wall angle pieces as shown. Fasten each set together with *one bolt in the center hole.*

3 Double check the length of each and set these pieces aside for later use.



Step 3

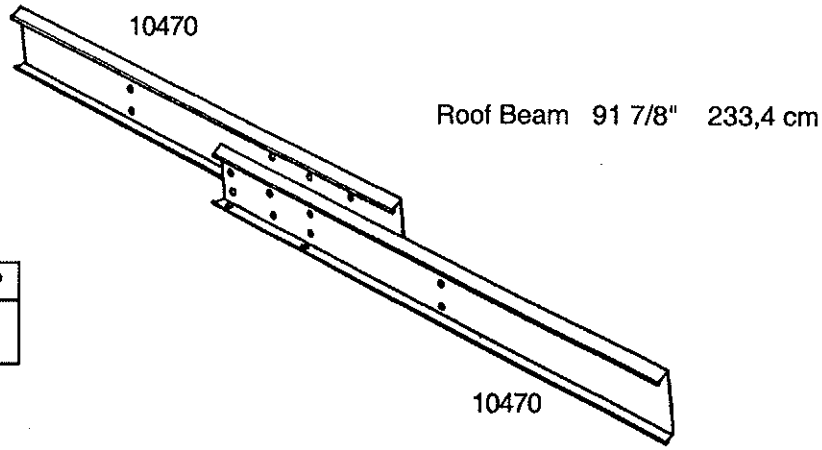
PS16

● Parts Needed For ●
Roof Beam Assemblies

● **10470 Roof Beam (12)**

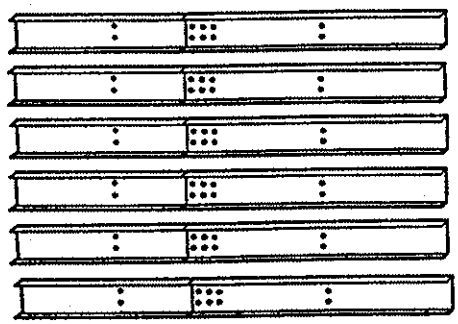
The roof beams join the two gables and support the roof panels. The main roof beam is made up of four pieces overlapped back to back at the center. The left and right roof beam assemblies are made up of two pieces.

Hint: These pieces are force-fitted, so you may have to press hard to join them together.



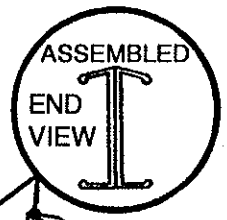
STEP 1

1 Place the end of one roof beam inside a second roof beam so that the six holes in each piece align. Make six sets of roof beams by repeating this procedure. ***Do not insert bolts yet.***

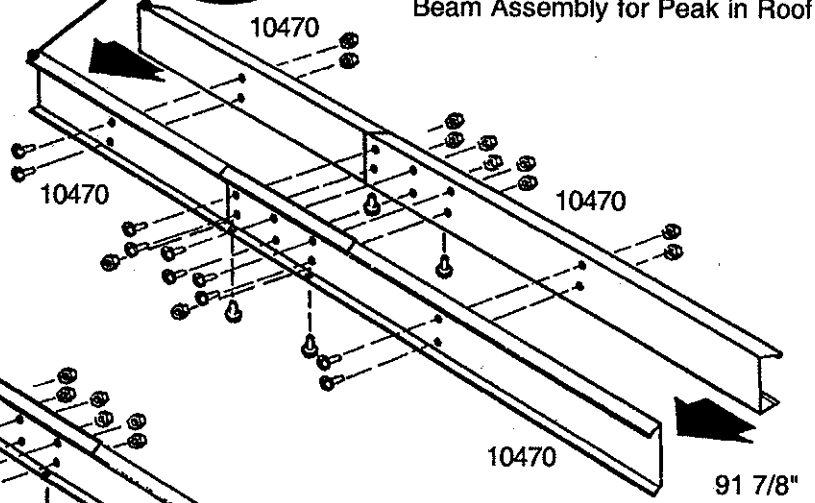


2 Take two of the pressed-together roof beams and join them as shown to form the main roof beam assembly. Hold the assembly together and fasten with 14 bolts. Build ***only one*** Doubled Beam Assembly.

STEP 2



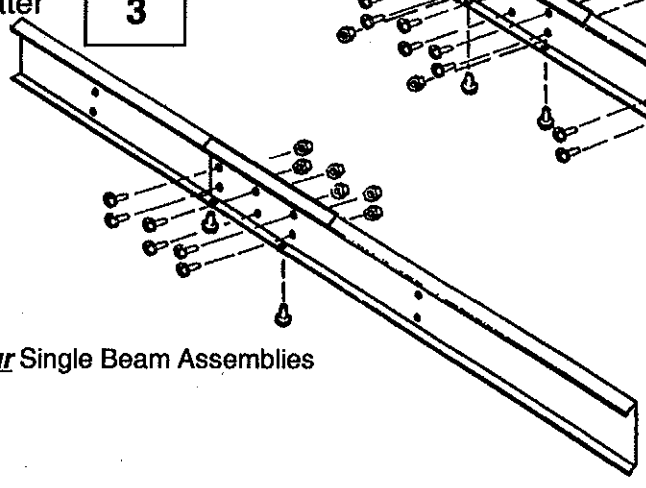
Build ***one*** Doubled Main Roof Beam Assembly for Peak in Roof



3 Fasten the other four pressed-together roof beams with eight bolts to make the left and right roof beam assemblies.

STEP 3

4 Double check the length of each and set these pieces aside for later use.



Build ***four*** Single Beam Assemblies

Step 4

A17

● Parts Needed For ●
Door Track Assembly

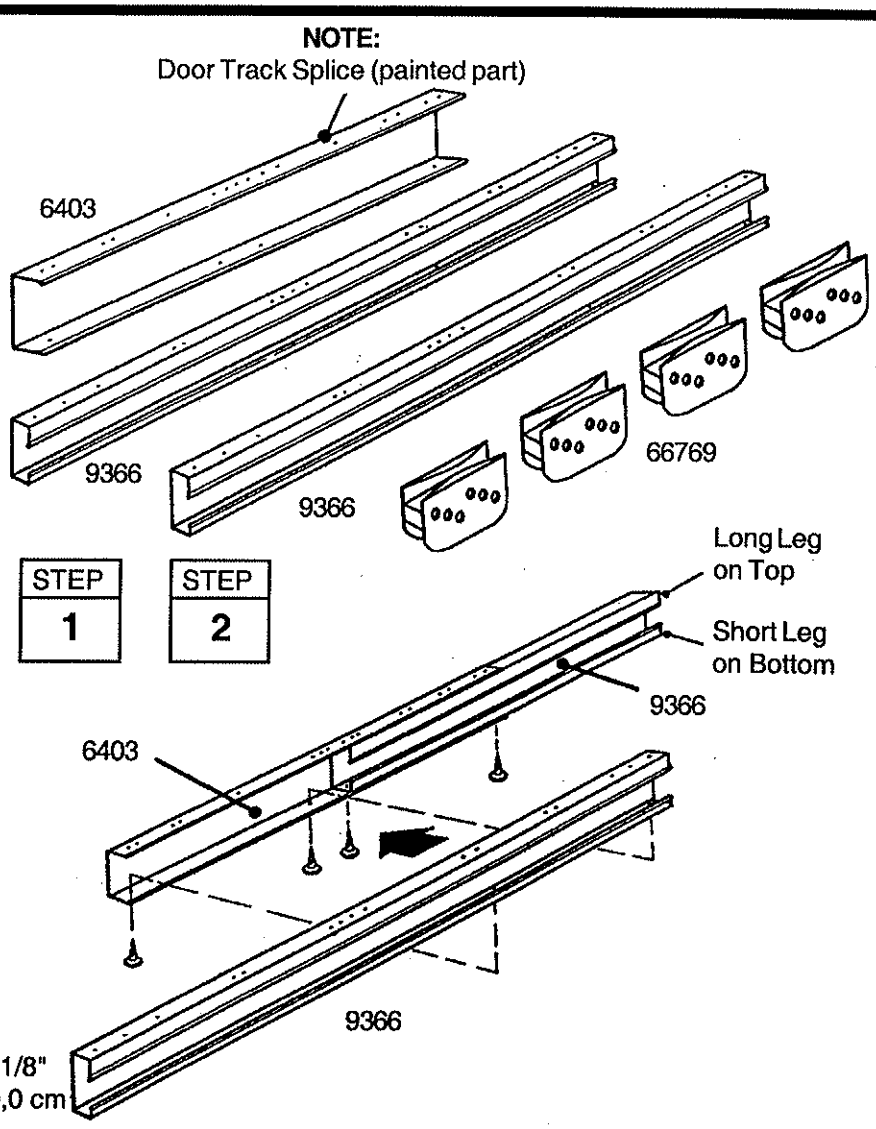
- **6403 Door Track Splice (1)**
- **9366 Door Track (2)**

The door track assembly supports the sliding doors and reinforces the front wall. It is made up of three pieces.

1 Using the **door track splice,** (painted), join the **door track** (galvanized) pieces end-to-end as shown.

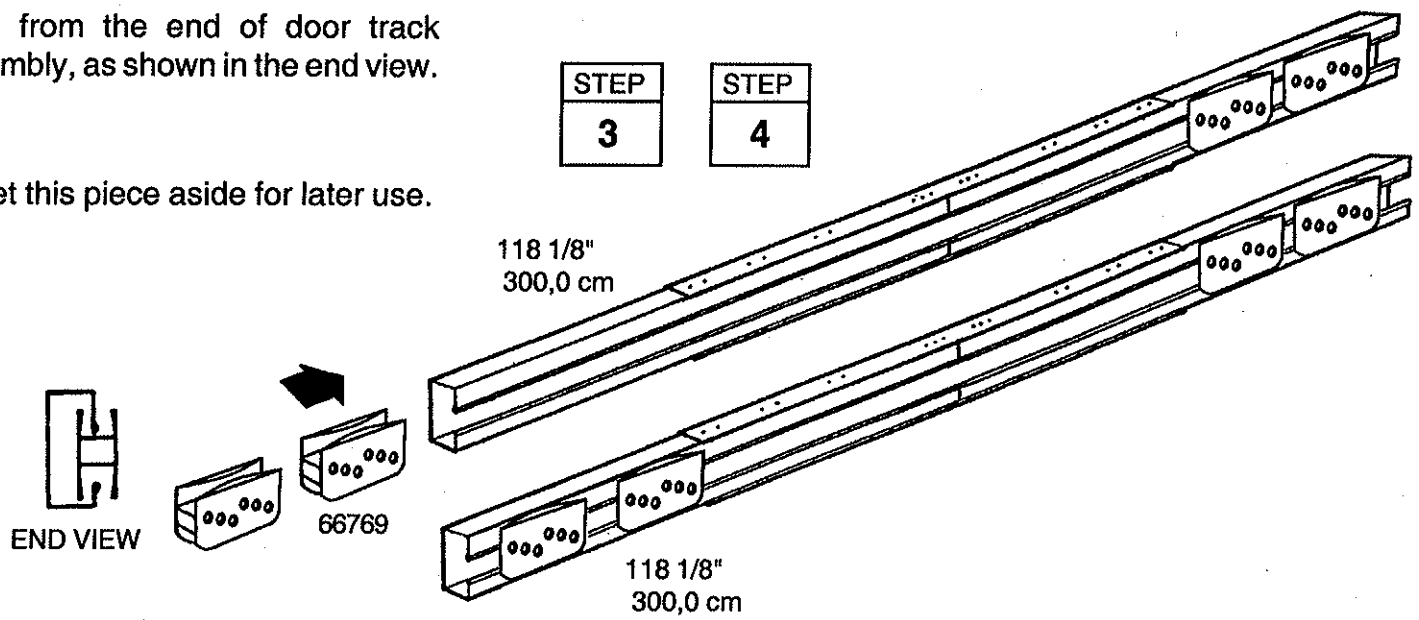
2 Insert four screws *from the underside only.*

Hint: The holes in the top side of the door track assembly are for fastening the gable to the top of the front wall in a later step.



3 Position **door slides** onto the legs, from the end of door track assembly, as shown in the end view.

4 Set this piece aside for later use.



Step 5

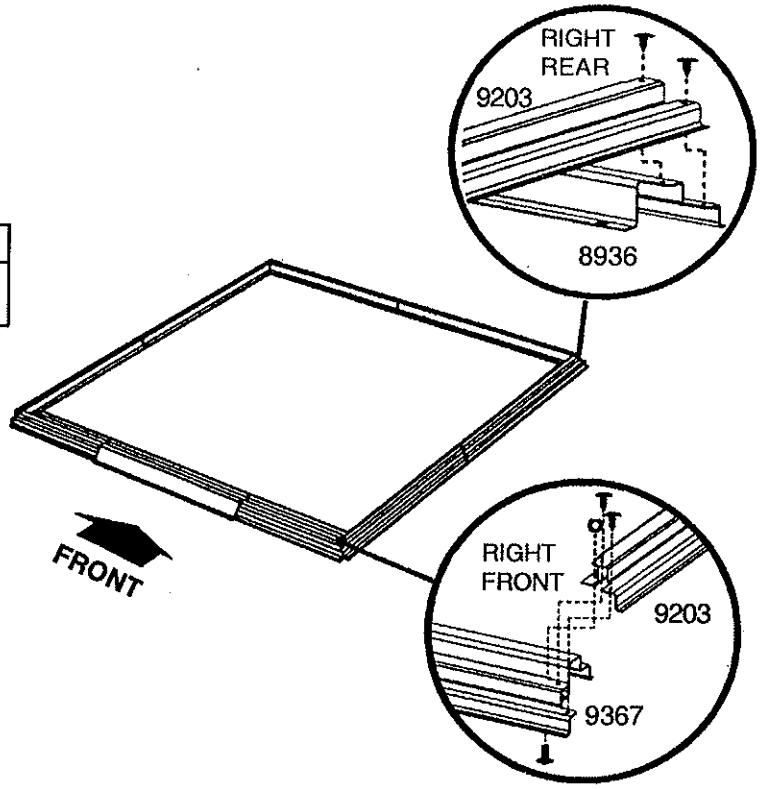
G18

● Parts Needed For ●
Floor Frame

- **Front Floor Assembly (1)**
- **Side Floor Assembly (2)**
- **Rear Floor Assembly (1)**

1 Assemble the four corners of the floor frame using two screws at each corner as shown. At the front corners fasten bolts through from the bottom with nuts on top.

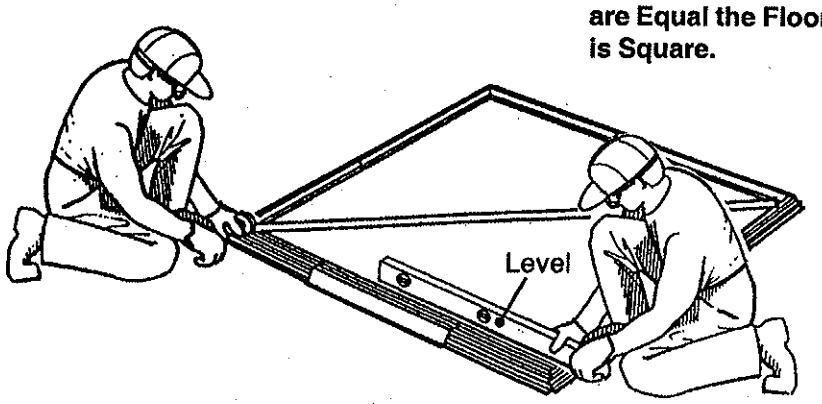
STEP 1



2 Measure the floor frame diagonally. When the diagonal measurements are equal, the floor frame is square.

When Diagonal Measurements are Equal the Floor Frame is Square.

NOTE
If using a wood platform or concrete slab do not fasten the floor frames to your base at this time. You will anchor the building after it is erected.



STEP 2

The floor frame *must be square and level* or holes will not align.

Step 6

PS19

● Parts Needed For ●
Posts/Top Frames

- **5284 Right Corner Post (2)**
- **5285 Left Corner Post (2)**
- **Door Track Assembly (1)**
- **Rear Wall Angle Assembly (1)**
- **Side Wall Angle Assemblies (2)**

NOTE
The remainder of the building assembly requires many hours and more than one person. Do not continue beyond this point if you do not have enough time to complete the assembly today. A partially assembled building can be severely damaged by light winds.

The top frame pieces give rigidity to the side walls and provide a surface for attaching the gables which support the roof.

1 Position **right & left corner posts** at the corners of the floor frame as shown. The angled end of each post must be placed on top of all four corners. Fasten the corner post to the floor frame with two screws.

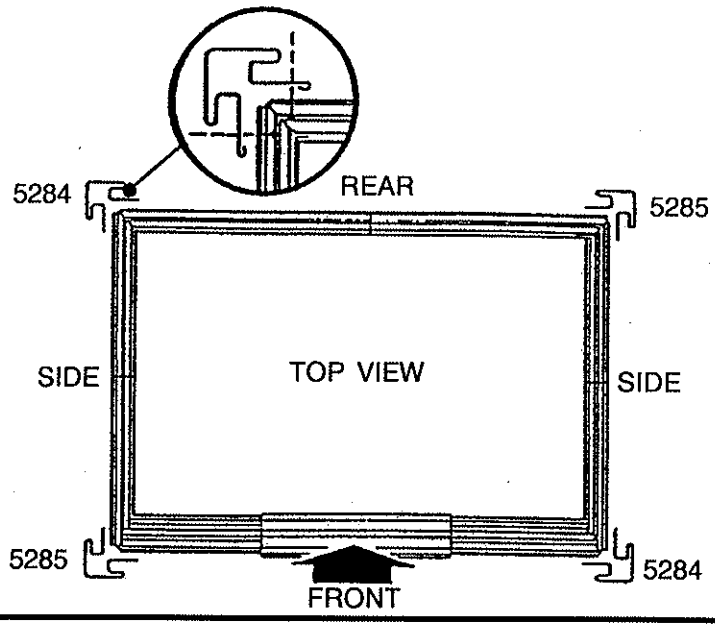
Support the corner posts with stakes until top frames are attached.

2 Fasten the **door track assembly** (holes on top) behind the top of the front corner posts using screws. See the figure.

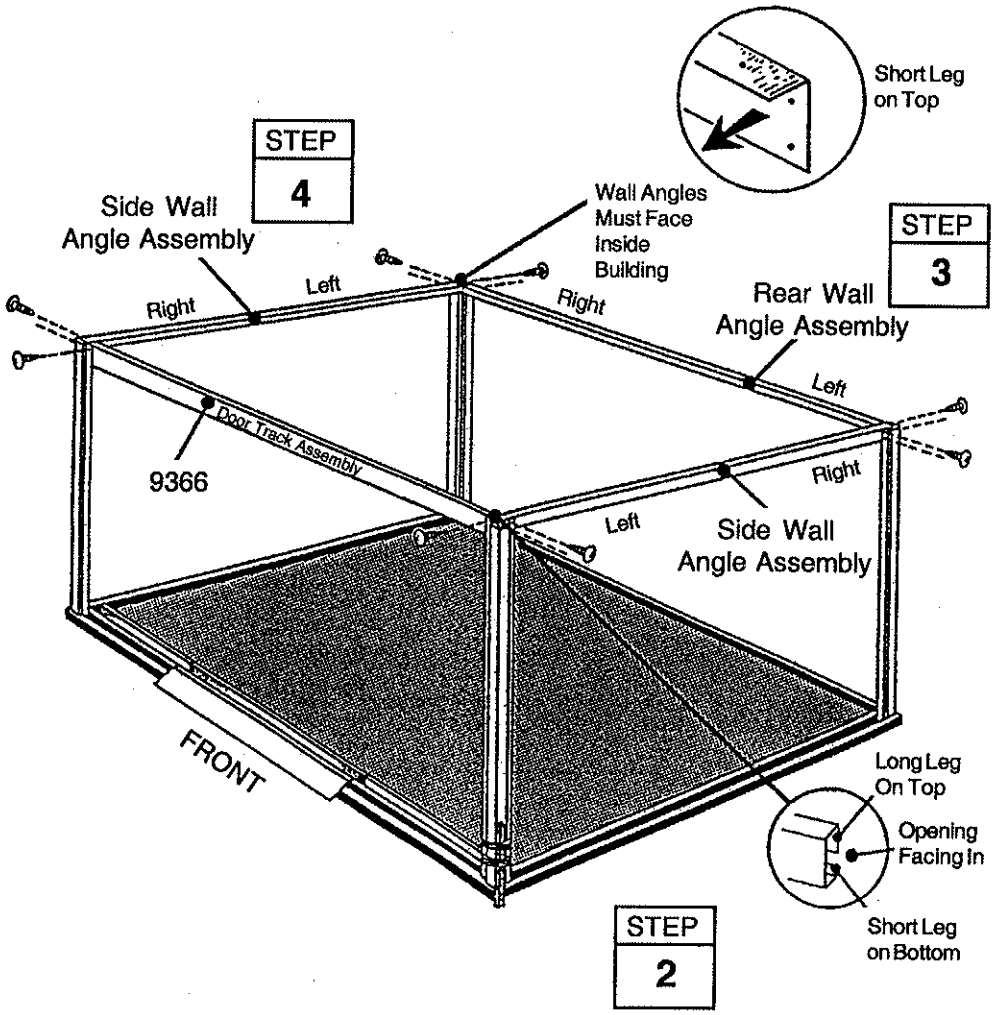
3 Fasten the **rear wall angle assembly** behind the top of the rear posts using screws.

4 Fasten the **side wall angle assemblies** behind the top of the side posts using screws. Side wall angles overlap rear wall angle in corners.

The floor frame *must be square and level* or holes will not align.



STEP 1



Step 7

PS20

● Parts Needed For ●
Splice Post/Door Jamb

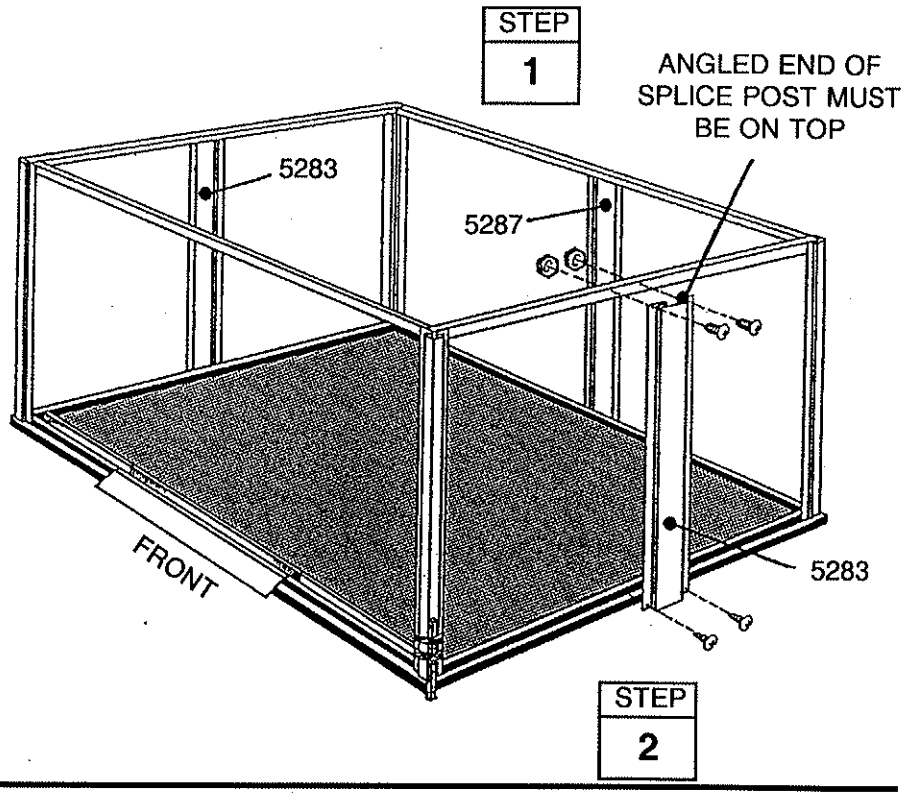
- **5287 Rear Splice Post (1)**
- **5283 Side Splice Post (2)**
- **7311 Door Jamb (2)**

The door jambs reinforce the door opening and provide an attractive trim. The splice posts supports the walls.

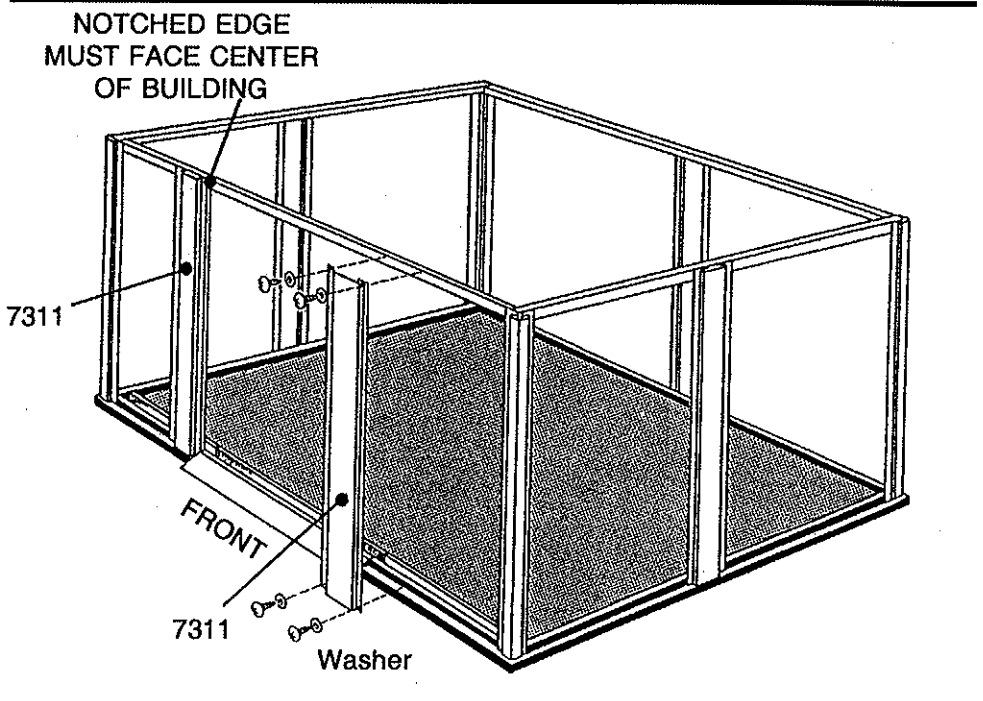
1 Position **rear splice post** at the center of the rear wall and fasten using bolts and nuts into rear wall angle and screws into rear floor frame.

Hint: Measure or count holes to determine if post is centered on rear.

2 Fasten **side splice posts** to the sides of building in the same manner. Angled end of post must be on top.



3 Fasten the top of the **door jambs** to the door track with two screws. Do the same for the bottom into frame. Notched edge faces toward center of building.



Step 8

Y21

● Parts Needed For ●
Studs/Front Channel

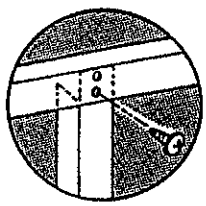
- **9344 Siding Stud (6)**
- **9365 Front Wall Channel (2)**

The studs provide a surface for attaching the siding panels.

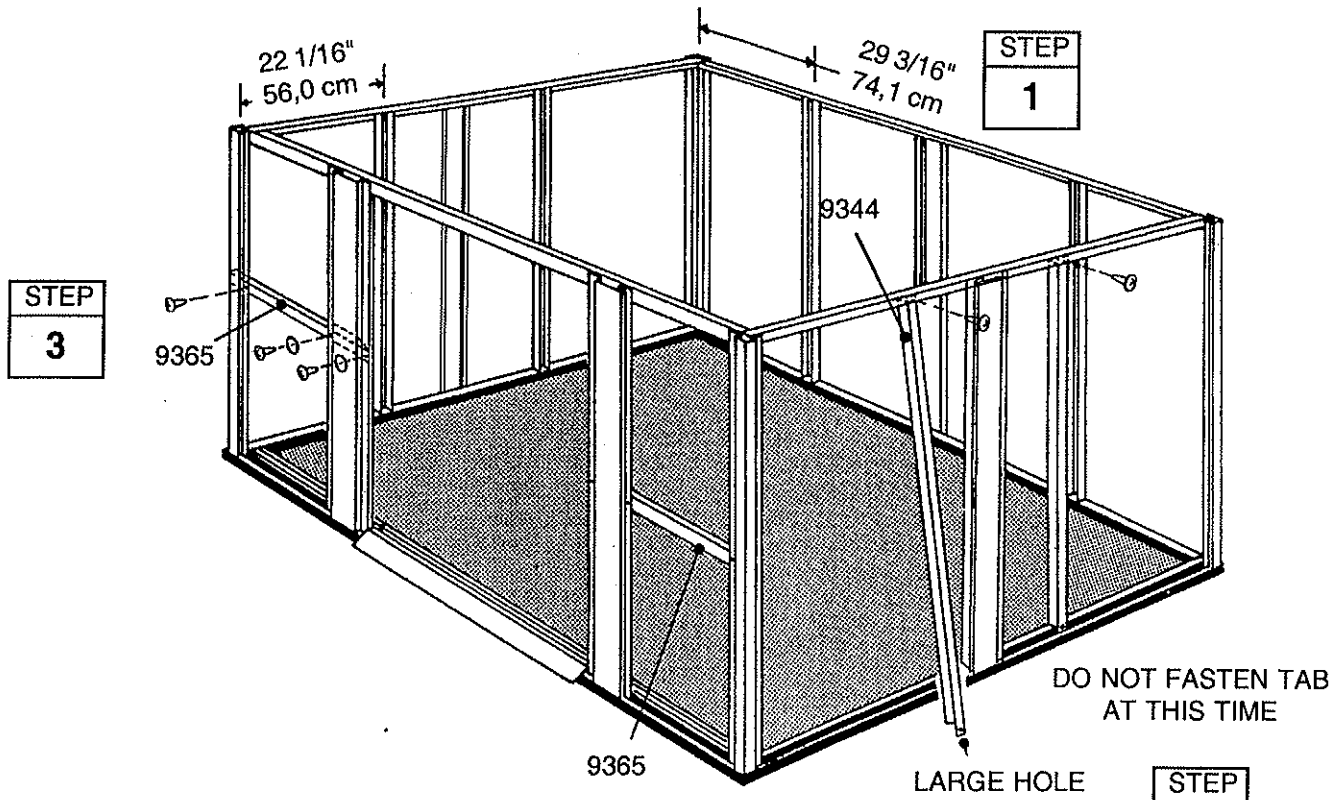
1 Following dimensions, measuring from the ends of angles, place a **stud** between each corner and splice post. Position stud inside top angle and fasten with a screw at the lower hole.

2 Rest bottom tab (large hole) outside floor frame. Do not fasten tab at this time. Repeat procedure for the remaining studs around the building.

3 Place **front wall channel** into position behind corner post and door jamb. Fasten using three screws.



FASTEN STUD AT
LOWER HOLE



Step 9

Y22

● Parts Needed For ●
Side Siding

● 8584 Side Siding (12)

Each screw and bolt in the wall requires a washer.

CORRECT

INCORRECT

1 Slide **side siding** into channels of corner and splice posts, flat edge upward, bottom edge down resting on floor frame. Always follow this pattern. Fasten bottom edge and tab of stud to floor frame using screws. Fasten center to stud with screws. Do not fasten flat edge yet.

2 Install **side siding** as before. Note how the slot in bottom edge must overlap flat edge of last siding. Fasten both siding panels to stud at this overlap.

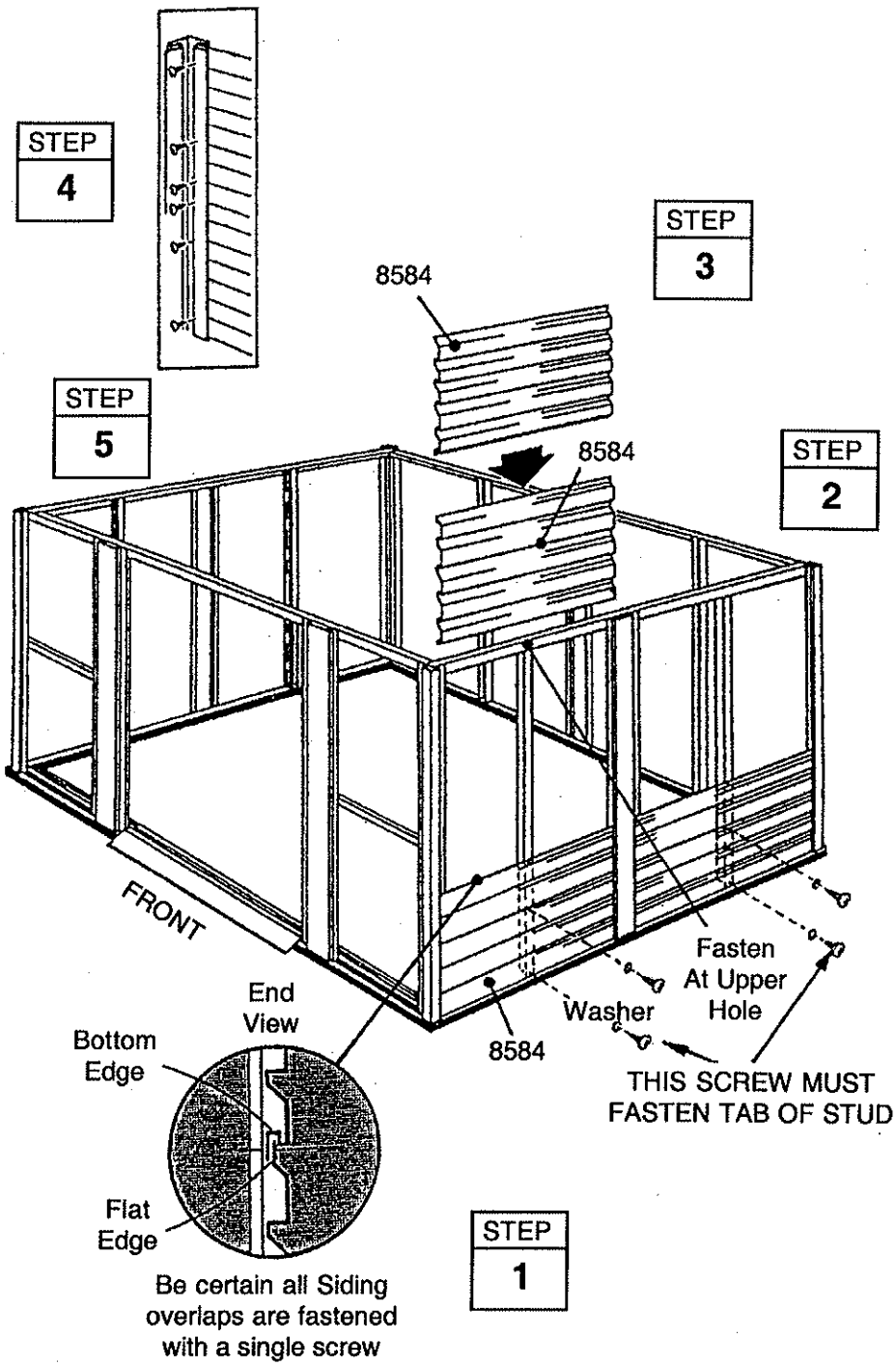
3 Install **side siding** to the top as before.

4 From inside building, fasten siding to corner posts and splice post using screws.

5 Repeat steps 1 through 4 for opposite side of building.

NOTE
Be careful to install the correct panel in each position as shown.

The floor frame must be square and level or holes will not align.



Step 10

Y23

● Parts Needed For ●
Rear/Front Siding

- **8736 Rear Siding (6)**
- **8737 Front Siding (6)**

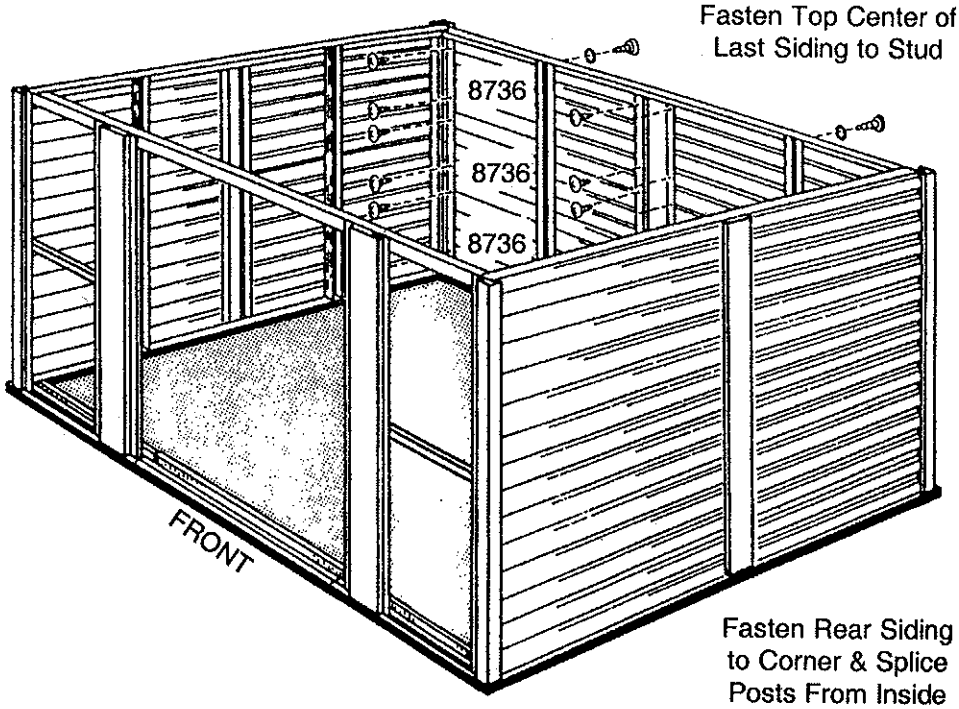
STEP 1 STEP 2

1 Slide **rear siding** into channel of corner and splice posts fastening to rear frame as shown in previous step.

2 Install **rear siding** to complete each section of rear wall. Fasten top center of last siding to rear angle.

3 Slide **front siding** into channels of corner post and door jamb. This siding is fastened from the inside, using screws into post and jamb.

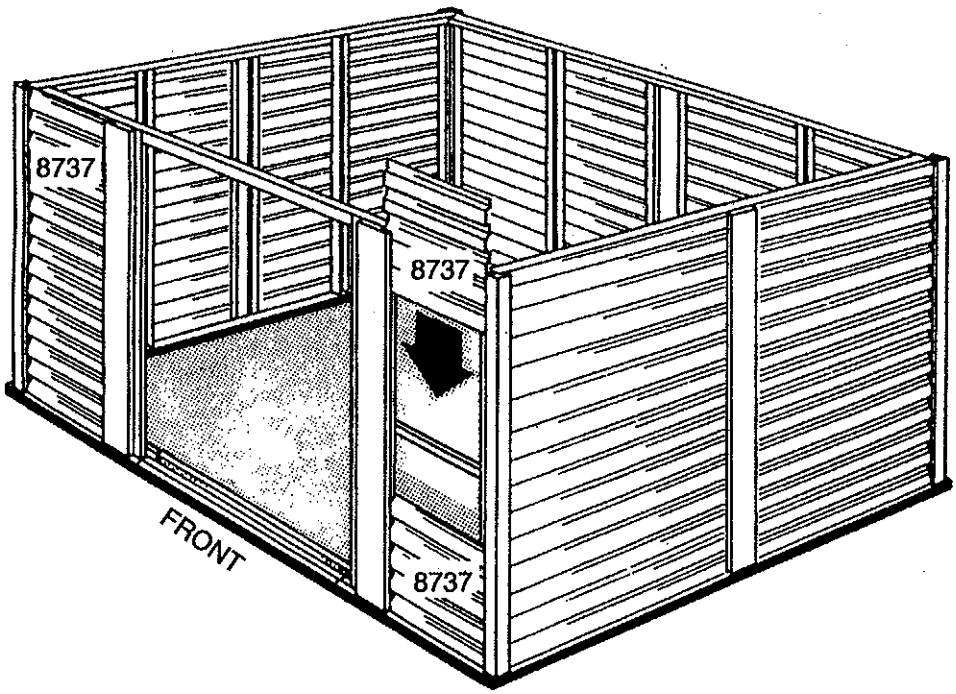
4 Install **front siding** to complete both front sections.



Fasten Top Center of Last Siding to Stud

Fasten Rear Siding to Corner & Splice Posts From Inside

STEP 3 STEP 4



Front Panels Fasten at Corners & Door Jambs from the Inside

Step 11

PS24

● Parts Needed For ●
Gable Assemblies

- 7858 Large Right Gable (2)
- 7859 Large Left Gable (2)
- 6114 Small Right Gable (2)
- 6115 Small Left Gable (2)
- 6085 Roof Beam Bracket (4)
- 7860 Mid Gable Brace (4)

The gables go on top of the front and rear walls to support the roof beams.

NOTE
The gables are packed nested together and might be mistaken as one piece. Carefully separate them before continuing.

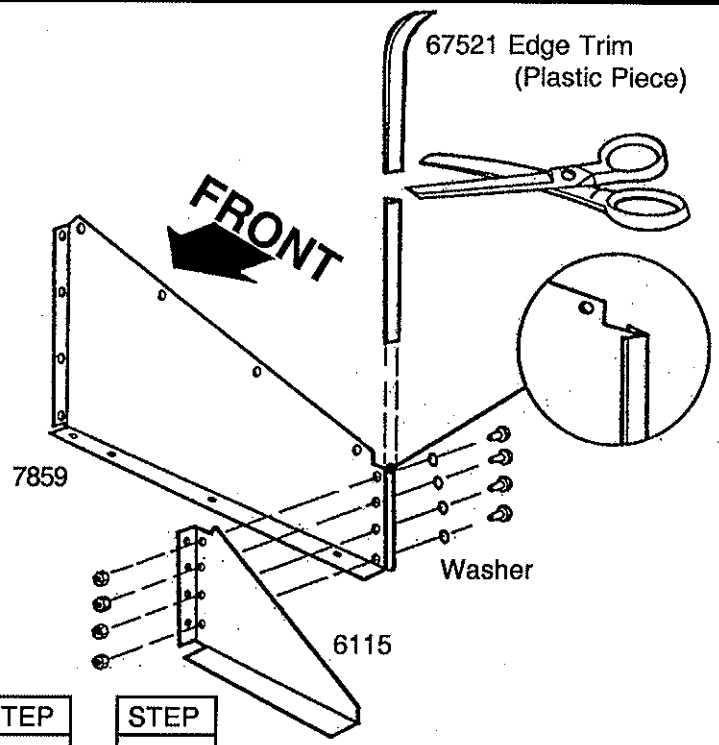
1 Apply **edge trim** to the edge of the **large left gable** and the **large right gable,** cut to length.

2 Join the large gables to the small gables on the left and right sides using four bolts, washers and nuts on each side. This part of the gable is called the *outer gable leg.*

3 Attach the four **roof beam brackets** to the outer gable legs using two bolts in the two bottom holes of each bracket.

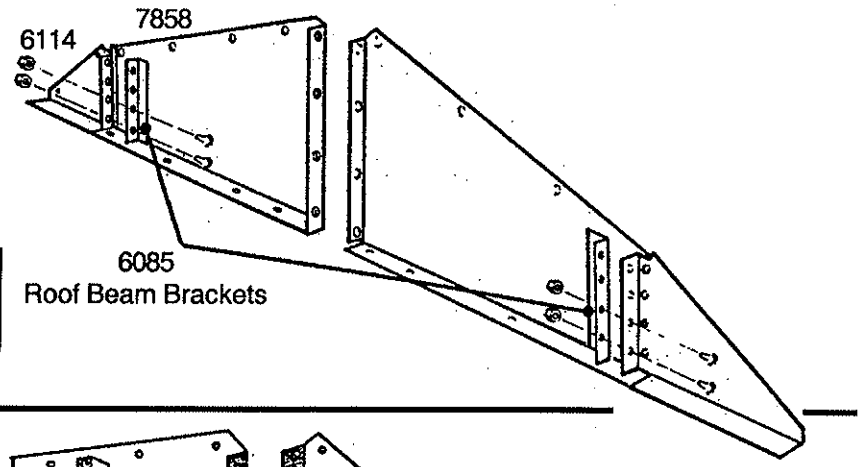
4 Attach the four mid gable braces to the gables using three bolts, washers and nuts.

NOTE
Mounting leg of brace must face toward center of gable

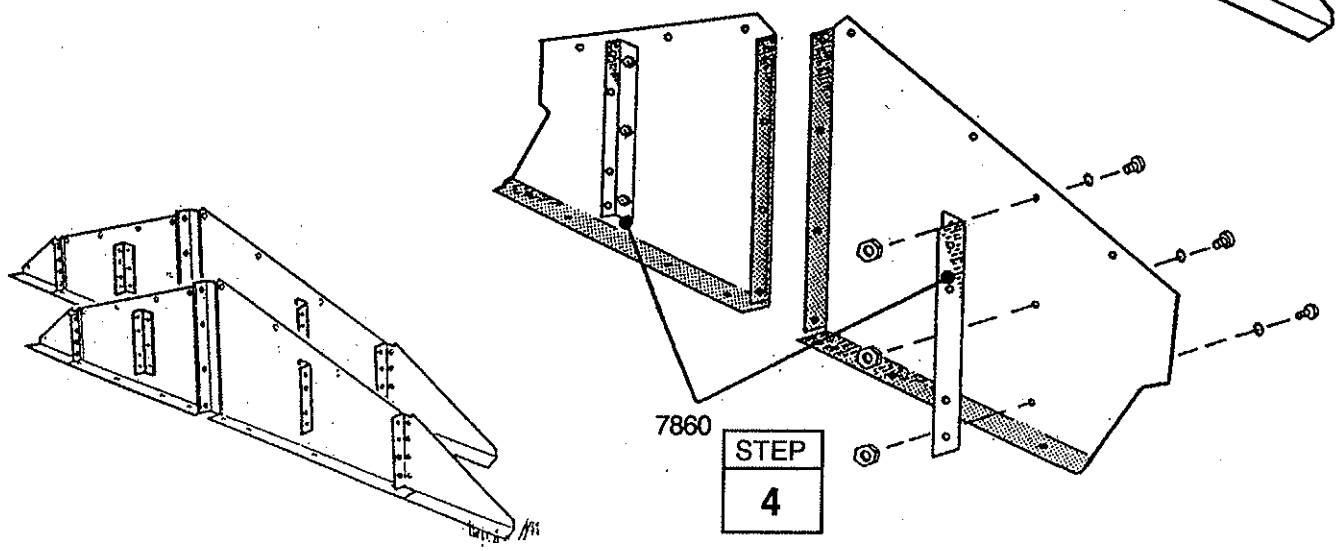


STEP 1

STEP 2



STEP 3



STEP 4

Step 12

PS25

● Parts Needed For ●
Gables/Roof Beams

- **Left Gable Assemblies (2)**
- **Right Gable Assemblies (2)**
- **Single Roof Beam Assemblies (4)**
- **6636 Gable Brace (2)**

1 Lift and fasten a right and left gable, under angle at corner, to the door track and rear wall angle with screws.

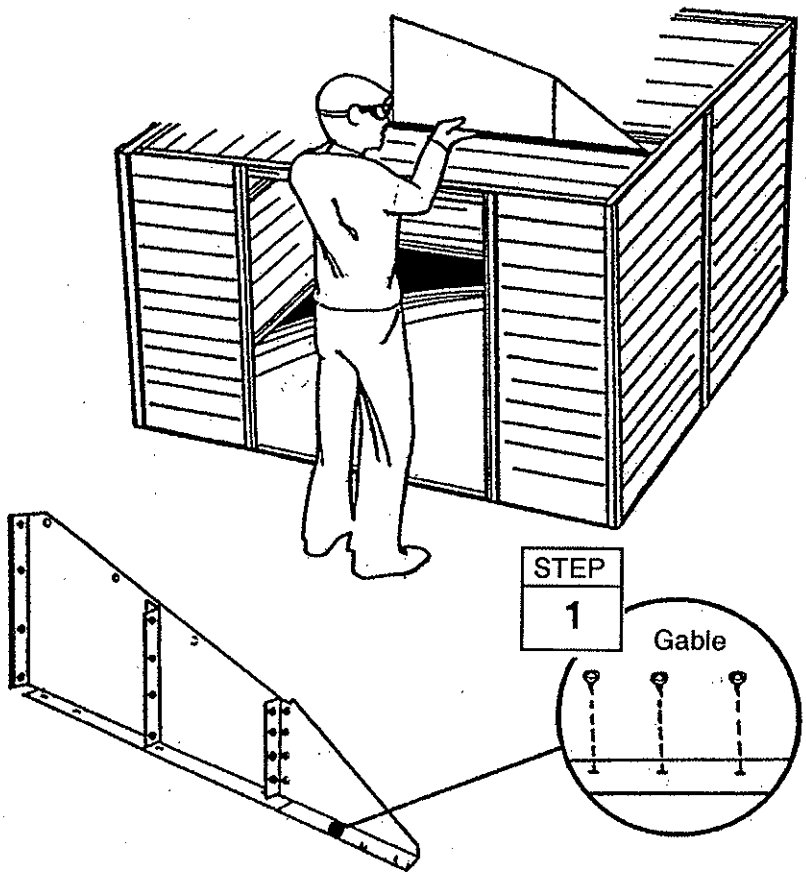
Hint: On the front gable, leave out 2 screws closest to center gable leg. On the rear gable, use a bolt and nut at the overlapping rear wall angle.

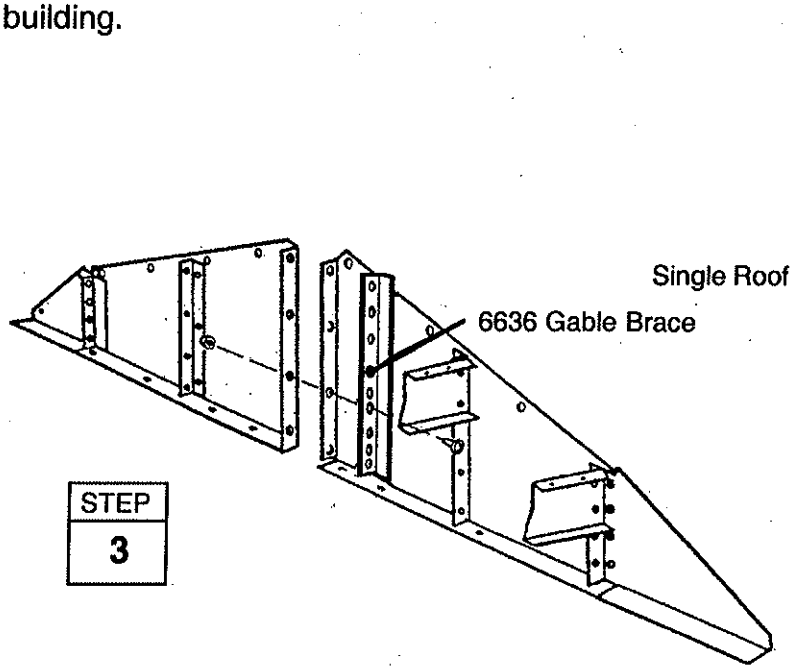
2 Fasten a **single roof beam,** *small holes on top,* to the outer gable leg and mid gable brace as shown using bolts and nuts.

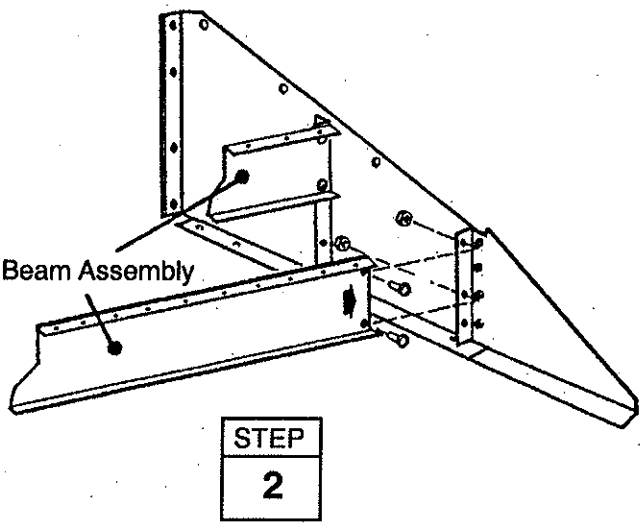
Repeat Step 1 for the opposite side of building.

3 Join the **left and right gables** together with a **gable brace** using a bolt in the second hole from the bottom *only.* Do this step for both front and rear gables.

Repeat Step 2 for the opposite side of building.







Step 13

PS26

● Parts Needed For ●
Roof Beam/Braces

- **Main Roof Beam (1)**
- **6227 Roof Beam Brace (2)**

1 Fasten the **track supports** to the front gable assembly only, as shown.

2 Wrap the **weather stripping** tape around the two joined edges of the large left and right gables. See diagram. Cut the weather stripping to length and repeat on next gable set.

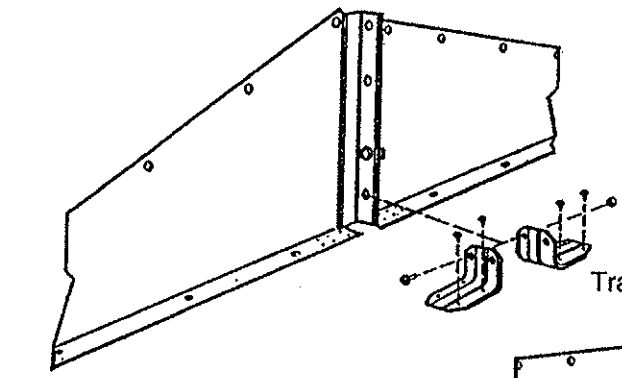
3 Spread the two halves of the **main roof beam** and fasten the roof beam to the gable brace of the front gable.

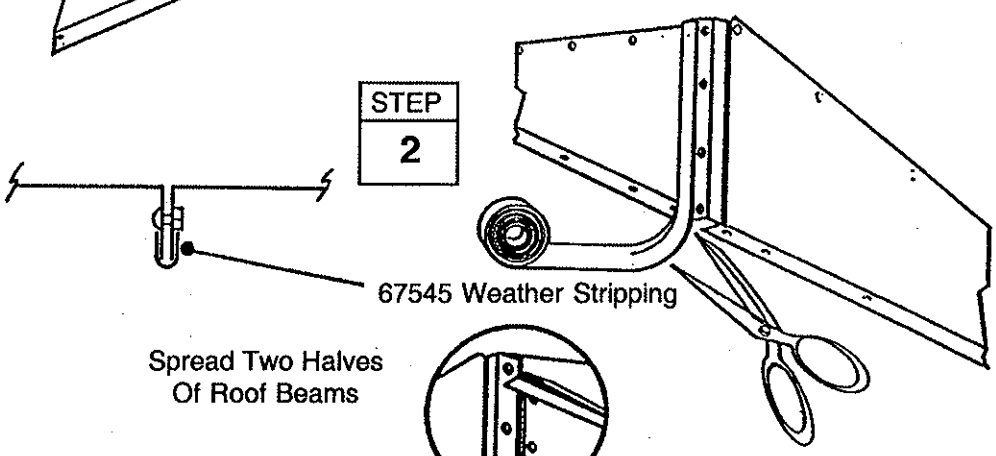
4 Fasten the other end of the main roof beam to the gable brace of the rear gable.

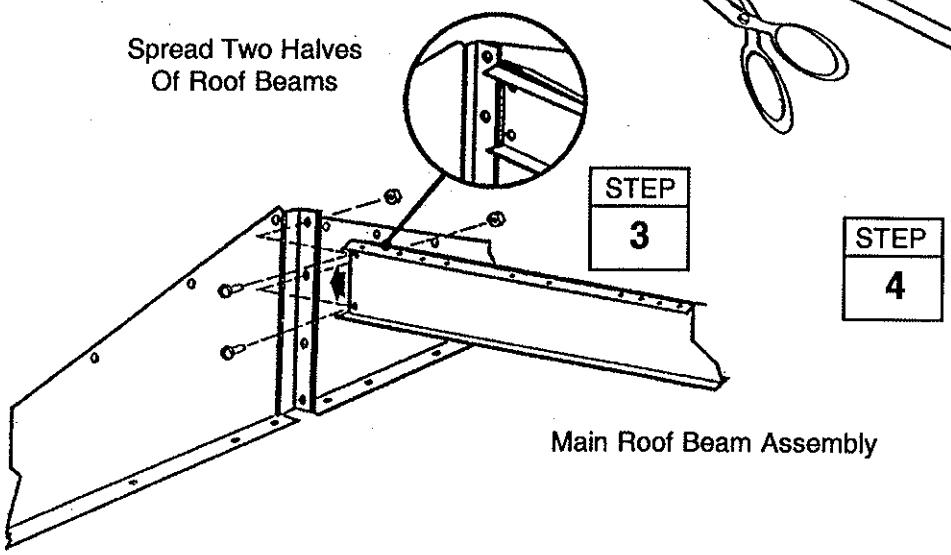
5 Fasten a **roof beam brace** to the main roof beam behind the front gable by placing the tab on the end of the brace *between* the roof beams. Align the tab with the *second* hole and fasten the brace with a bolt and nut.

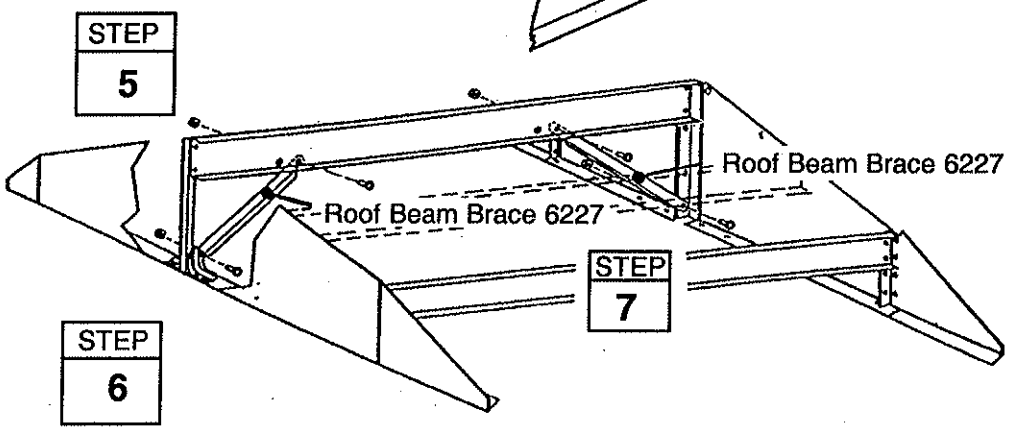
6 Fasten the lower end of the roof beam brace to the **track support** with a bolt and nut.

7 Fasten a **roof beam brace** between the rear gable and the roof beam at the *first* hole, as shown.









Step 14

PS27

● Parts Needed For ●
Right Roof Panel

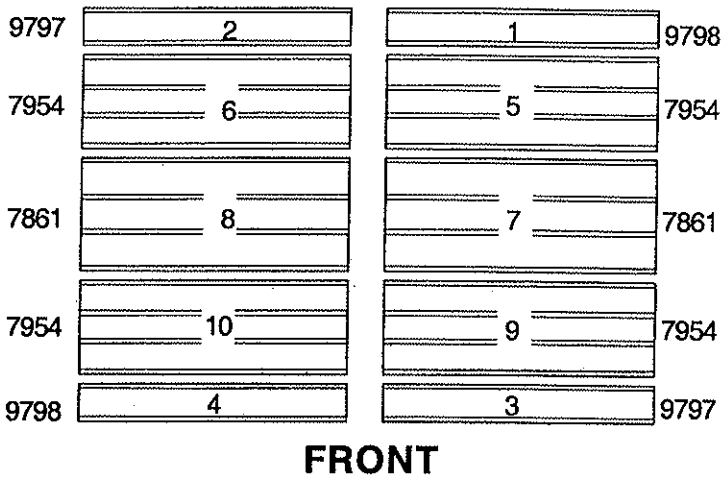
● 9798 Right Roof Panel (1)

Installing the roof panels is best done with a step ladder. Begin installing roof panels at the back right corner of the building. Each screw and bolt in the roof requires a washer.

NOTE
Measure the building diagonally again and make adjustments to make sure the building is square and level. This will make the roof panels fit better, and holes will align.

NOTE
If a **Roof Beef-Up Kit** was purchased, assemble prior to attaching the roof panels.

STEP 1

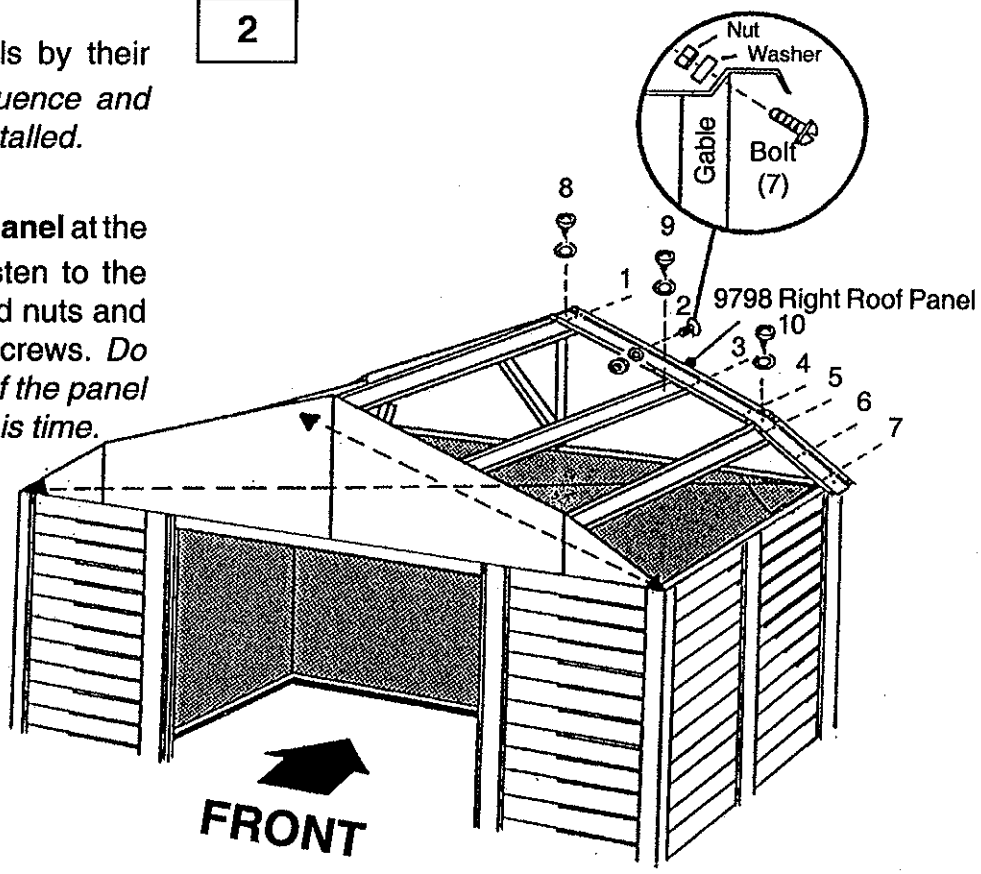


STEP 2

1 Locate the roof panels by their numbers. *Note the sequence and position they are to be installed.*

2 Position the **right roof panel** at the back right corner and fasten to the gable with seven bolts and nuts and roof beams using three screws. *Do not fasten the lower end of the panel to the side wall angle at this time.*

Hint: Attach fasteners in order shown in diagram.



Step 15

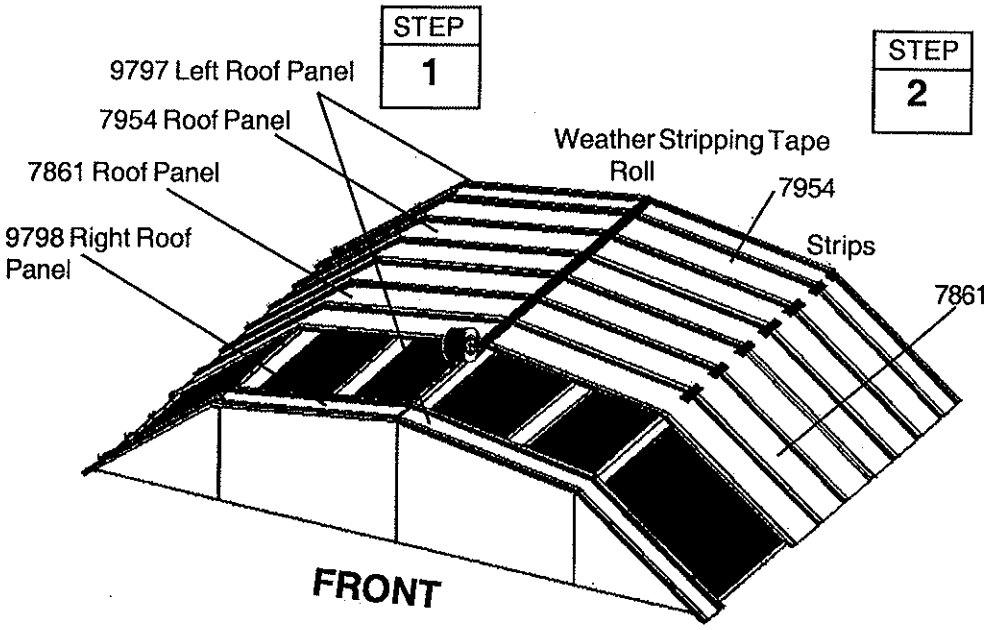
PS28

● Parts Needed For ●
Roof Assembly

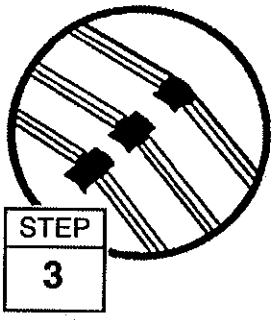
- **9798 Right Roof Panel (1)**
- **9797 Left Roof Panel (2)**
- **7954 Roof Panel (2)**
- **7861 Roof Panel (2)**

1 Install a **left roof panel** at the left rear and right front corner of the roof. Install a **right roof panel** at the front left corner of the roof.

2 Cut 28 short 3" (7,6 cm) strips off the roll of **weather stripping tape**, and put them aside. Cover the joint at the peak with weather stripping tape. Unroll the tape and press it down over the opening at the ridge as you install each roof panel. Do not cut the tape at this time.

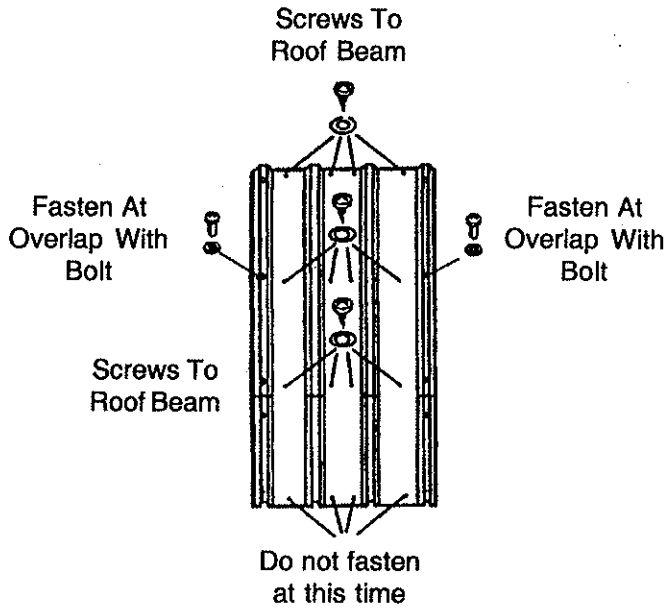


3 Install two **narrow** and two **wide roof panels** in the sequence and positions shown on previous page. Fold the lower section of the roof panels down. Cover the notches with the strips of weather stripping tape. Save the rest. *Do not fasten the lower end of the panels to the side wall angles at this time.* Continue weather stripping the ridge opening.



NOTE
Narrow roof panel crimped rib is overlapped by wide rib of adjacent panel where possible.

NOTE
If roof beam holes do not line up with the roof panel holes, shift the building from left to right. If this does not help, your building may not be level. Shim the corners until holes line up.



Step 16

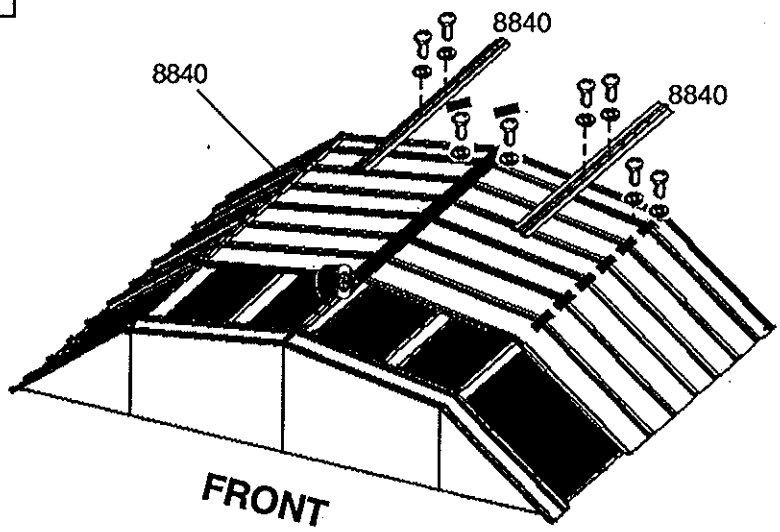
PS29

● Parts Needed For ●
Ridge Caps & Panels

- 8840 Ridge Cap (3)
- 7954 Roof Panel (2)
- 8486 Ridge Cap (3)

1 Install three **ridge caps** on the completed roof section using bolts and nuts. Fasten roof panel overlaps not used for ridge cap. Cover the head of bolt with the 3" (7,6 cm) piece of weather stripping tape. Do not fasten the ends of the ridge caps until instructed to do so.

STEP 1



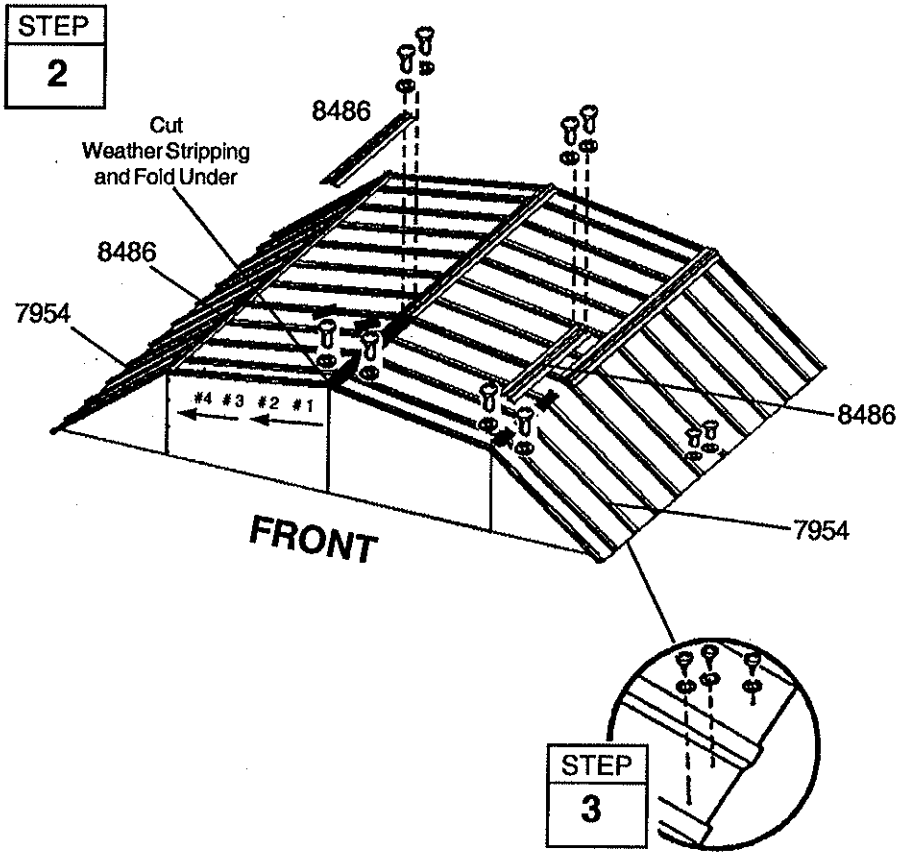
2 Install the second **ridge caps** overlapping the first ridge caps while installing the remaining narrow **roof panels**. Cover the notched areas of the roof panels with strips of weather stripping tape and continue weather stripping the ridge.

3 Fasten the lower end of the panels to the side wall angles using screws and washers. Use bolts and nuts through wall angle overlaps at the bottom of panel.

Reducing Large Gable Bulge

Loosen eight bolts and nuts shown. Apply pressure with one hand at the peak of the gable and tighten bolt #1. Keeping pressure on the gable work down the slope tightening each bolt. Excess material will overlap smaller gable at seam. Once material bulge is worked out tighten four vertical bolts that connect the large and small gables.

STEP 2



Step 17

PS30

● Parts Needed For ●
Roof Trim

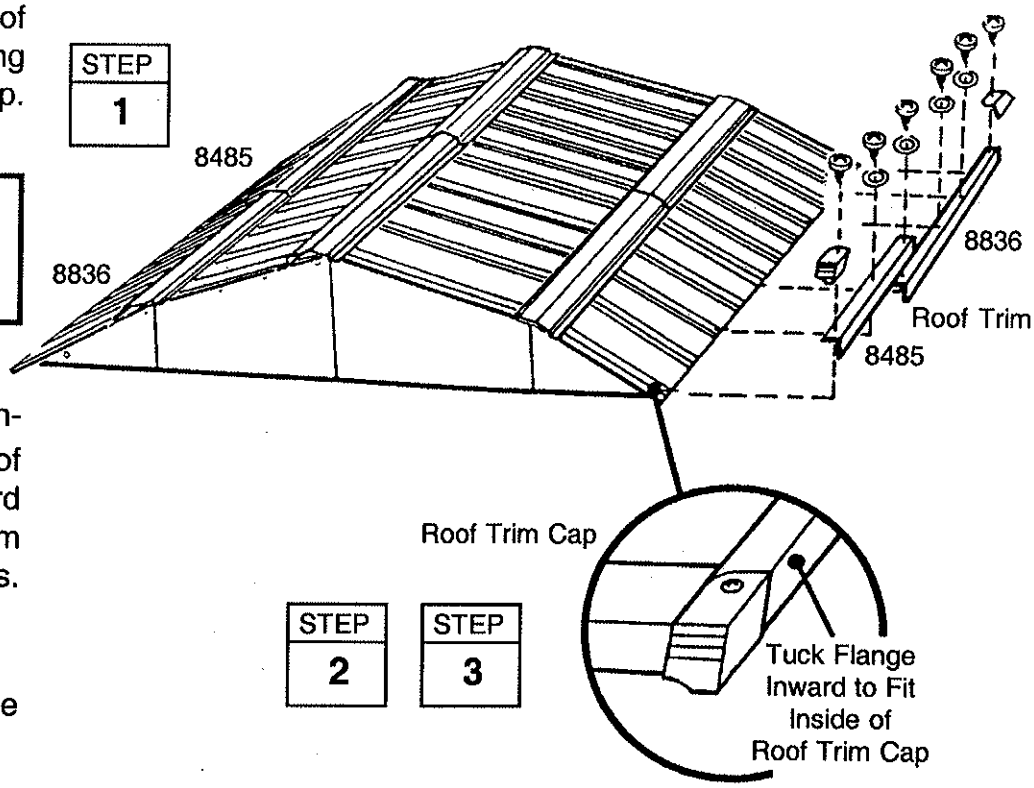
- **8485 Left Side Roof Trim (2)**
- **8836 Right Side Roof Trim (2)**

1 Attach the **right** and **left side roof trim** to the lower end of the roof panels on each side of the building using screws at each panel overlap.

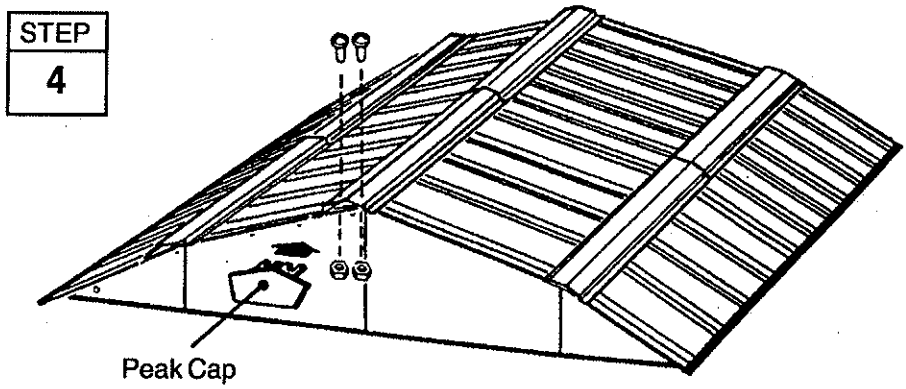
NOTE
A single screw fastens both trim pieces at the overlap.

2 Using your thumb and index finger, overbend the bottom flange of the side roof trim at the corner inward enough so the right and left roof trim caps fit onto right and left corners.

3 Fasten the roof trim caps to the side trim using a screw.



4 Fasten the roof panel ribs, **peak caps** and ridge caps together using bolts and nuts.



Step 18

PS31

● Parts Needed For ●
Door Assembly

- ● 3719 Door Handle Brace (2)
- ● 10472 Right and Left Doors (2)
- ● 10497 Horizontal Door Brace (4)
- ● 6301 Vertical Door Brace (2)

The steps on this page tell how to assemble the right door. You will perform exactly the same procedures for the left door. Each bolt and screw in the door requires a washer. Proceed as follows:

1 Attach the **door handle brace** and **handle** to the **door** with 1 bolt as shown. *Don't tighten the bolt yet.*

2 Swing the door handle brace up to the hole in the center of the door and insert a screw.

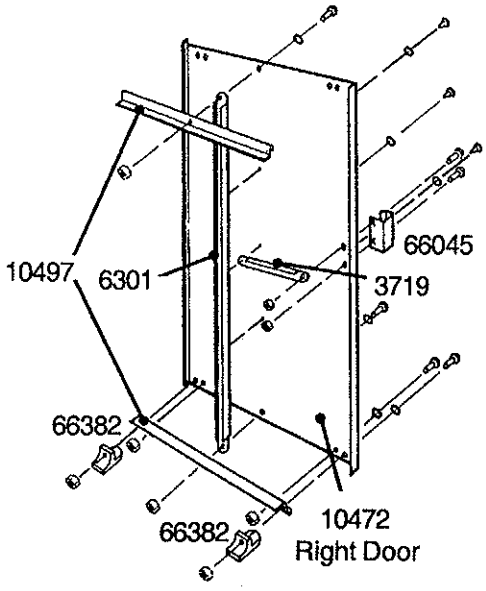
3 Hold the **vertical door brace** against the center of the inside surface of the door and turn the screw to hold the vertical door brace and door handle brace in place. Fasten to door above and below center connection using 2 screws.

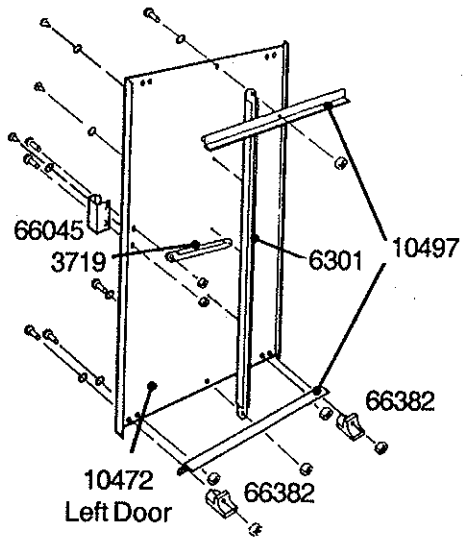
4 Insert a second bolt in the door handle and tighten both bolts.

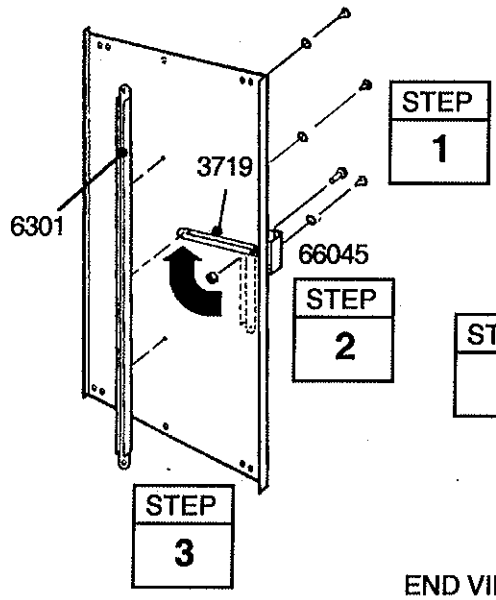
5 Put a **horizontal door brace** onto the top edge and bottom edge and fasten *with 1 bolt in the center.*

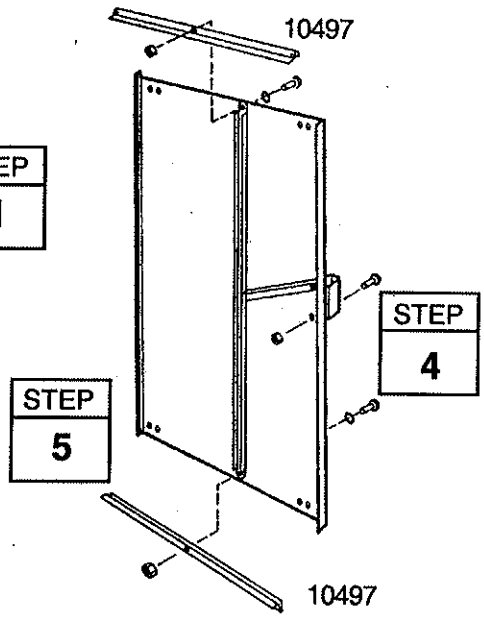
6 Attach the **lower door guides and bolts** as shown.

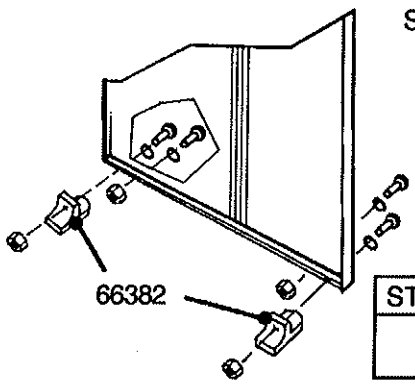
7 Repeat steps 1 through 6 for the **left door.**



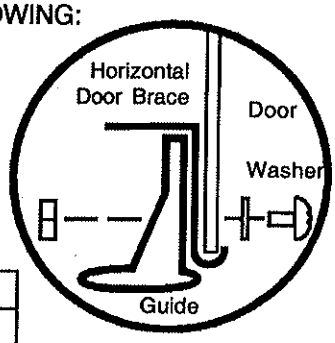








END VIEW SHOWING:



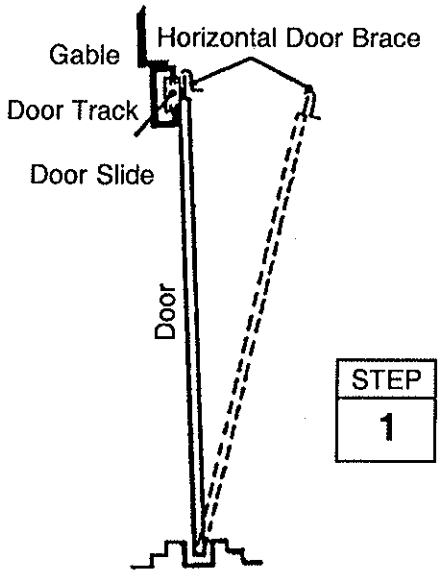
Step 19

PS32

● Parts Needed For ●

Door Installation & Adjustment

- Right Door Assembly (1)
- Left Door Assembly (1)



Front Floor Frame Assembly

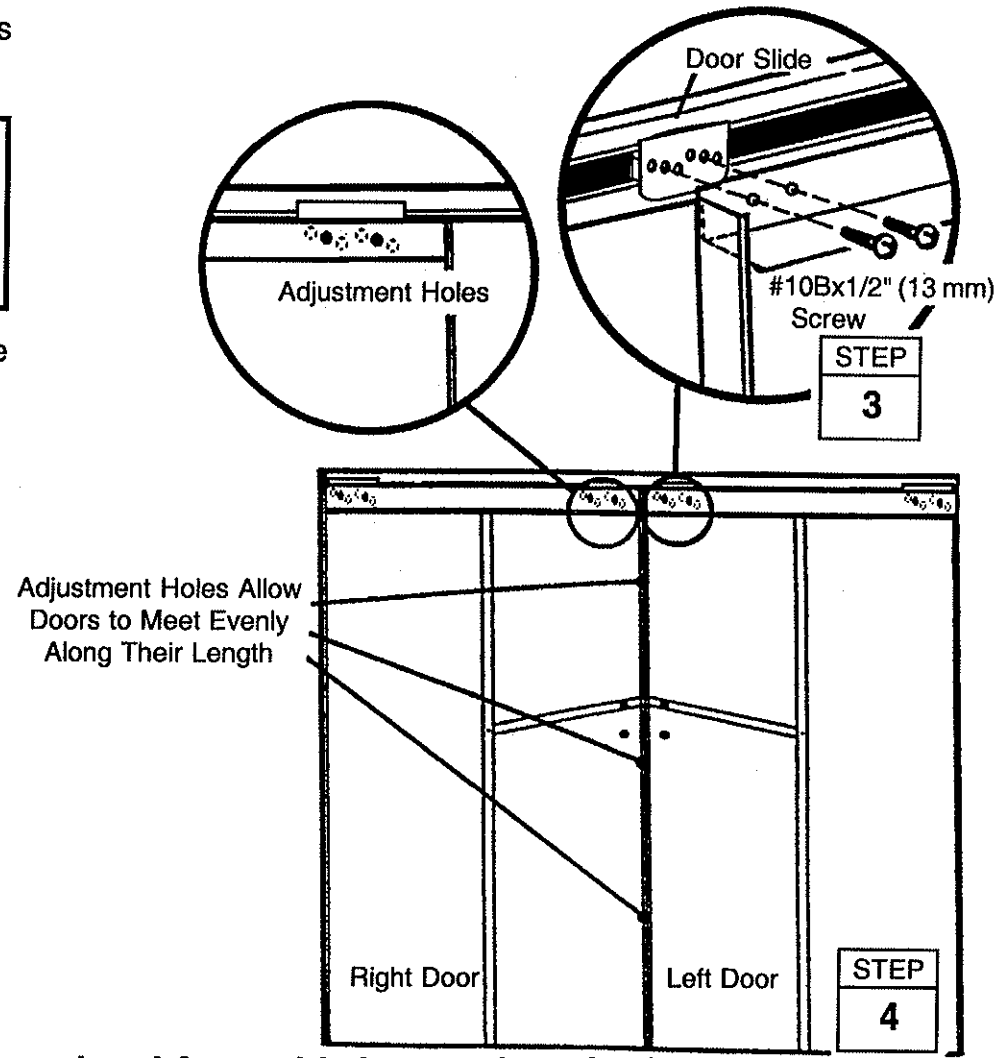
1 From inside the building, put the bottom of the right door assembly (on your left when you are inside the building) behind door jamb into the front frame track.

2 Position the top of the door so that the holes in the door line up with the holes in the door slides.

3 Fasten the door to the door slides using two #10Bx1/2" (13 mm) screws per door slide.

NOTE
The holes in the door slides allow you to adjust the doors. Place the door in the middle holes.

4 Repeat steps 1 through 3 for the left door.



Keep this Owner's Manual and Assembly Instructions for future reference.

Anchoring and Floor Frame

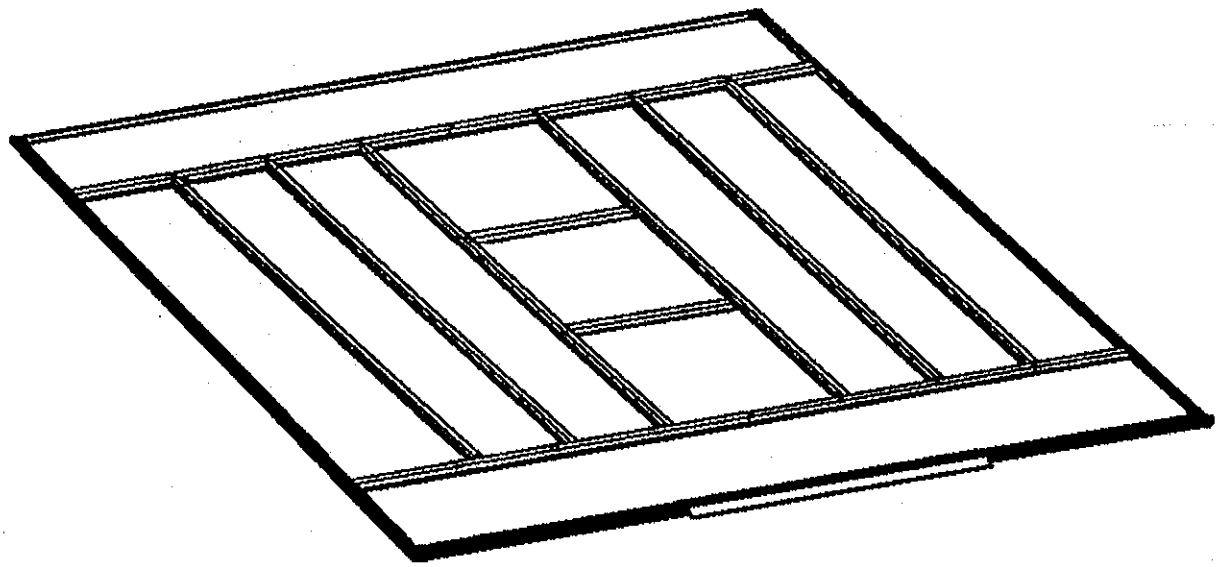
PS33

Anchoring

Anchor your building at this time.

Floor Frame

If you have purchased a Floor Frame Kit you need to install it at this time.



SOME FACTS ABOUT RUST

XA35hw

SOME FACTS ABOUT RUST

Rusting is a natural oxidizing process that occurs when bare metal is exposed to moisture. Problem areas include screw holes, unfinished edges, or where scrapes and nicks occur in the protective coating through normal assembly, handling and use. Identifying these natural rusting problem areas and taking some simple rust protection precautions can help to stop rust from developing, or stop it quickly as soon as it appears.

1. Avoid nicking or scraping the coating surface, inside and out.

2. Use all the washers supplied. In addition to protecting against weather infiltration, the washers protect the metal from being scraped by the screws.

3. Keep roof, base perimeter and door tracks free of debris and leaves which may accumulate and retain moisture. These can do double damage since they give off acid as they decay.

4. Touch up scrapes or nicks and any area of visible rust as soon as possible. Make sure the surface is free of moisture, oils, dirt or grime and then apply an even film of high quality touch-up paint.